



HORSERACING INTEGRITY  
AND SAFETY AUTHORITY

# HISA Prohibited Substances List

# Banned Substances

Last updated on March 1st, 2023



HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S1</b>	$\Delta$ -1-androstene-3, 17diol	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	$\Delta$ -1-androstene-3, 17dione	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	$\Delta$ -1-dihydrotestosterone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	19-Norandrostenediol	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	19-Norandrostenedione	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	19-Noretiocholanolone	Anabolic	Lacks FDA approval.
<b>S1</b>	1-androstenediol (5 $\alpha$ androst-1-ene-3 $\beta$ , 17 $\beta$ diol)	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	1-androstenedione (5 $\alpha$ androst-1-ene-3, 17dione)	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	1-testosterone (17 $\beta$ hydroxy-5 $\alpha$ - androst-1en-3-one)	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	2-Aminoheptane (Tuaminoheptane)	Sympathomimetic / Vasoconstrictor	Lacks FDA approval
<b>S4</b>	2-androstenol(5 $\alpha$ -androstane-2-en-17-ol)	Pheromone / Reproductive Hormone	Lacks FDA approval
<b>S4</b>	2-androstenone (5 $\alpha$ -androst-2-en-17-one)	Pheromone / Reproductive Hormone	Lacks FDA approval
<b>S0</b>	3,4-methylenedioxypropylvalerone (MDVP)	Stimulant	Lacks FDA approval
<b>S4</b>	3-androstenol (5 $\alpha$ -androst-3-en-17-ol)	Pheromone / Reproductive Hormone	Lacks FDA approval
<b>S4</b>	3-androstenone (5 $\alpha$ -androst-3-en-17-one)	Pheromone / Reproductive Hormone	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S4</b>	4-androstenediol (androst-4-ene- 3 $\beta$ ,17 $\beta$ diol)	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S4</b>	4-chloromethatandienone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	4-Hydroxytestosterone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S4</b>	5-androstenedione (androst-5- ene- 3,17dione)	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	5 $\alpha$ -Andros-2-ene-17one	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	5 $\alpha$ -Androstane-3 $\alpha$ , 17 $\alpha$ -diol	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	5 $\alpha$ -Androstane-3 $\alpha$ , 17 $\beta$ -diol	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	5 $\alpha$ -Androstane-3 $\beta$ , 17 $\alpha$ -diol	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	5 $\alpha$ -Androstane-3 $\beta$ , 17 $\beta$ -diol	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	5 $\beta$ -androstane-3 $\alpha$ , 17 $\beta$ diol, androst-4-ene3 $\alpha$ ,17 $\alpha$ -diol	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	7-keto-dhea	Anabolic	
<b>S1</b>	7 $\alpha$ -hydroxy-dhea	Anabolic	
<b>S1</b>	7 $\beta$ -hydroxy-dhea	Anabolic	
<b>S5</b>	Acebutolol	Antihypertensive	Generic
<b>S0</b>	Acecarbromal	Sedative / Hypnotic	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Acetylline	Bronchodilator	Lacks FDA approval
S0	Acemetacin	NSAID	Lacks FDA approval
S0	Acenocoumarol	Anticoagulant	Lacks FDA approval
S0	Acetanilide	NSAID	Lacks FDA approval
S5	Acetazolamide	Carbonic Anhydrase Inhibitor	Generic
S0	Acetohexamide	Insulin secretion	Discontinued, no FDA-approved product commercially available
S0	Acetophenazine	Antipsychotic	Discontinued, no FDA-approved product commercially available
S0	Acetophenetidin (Phenacetin)	NSAID	Lacks FDA approval
S0	Acetylmorphine	Opioid analgesic	Lacks FDA approval
S0	Aclidinium bromide	Bronchodilator	Tudorza Pressair; Dualkir Pressair (with formoterol)
S0	Adinazolam	Sedative / Anxiolytic	Lacks FDA approval
S0	Adiphenine	Antispasmodic	Lacks FDA approval
S0	Adrafinil	Stimulant	Lacks FDA approval
S4	5-Aminoimidazole-4-carboxamide ribonucleotide (AICAR)	Metabolic modulator	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Alclofenac	NSAID	Lacks FDA approval
S0	Alcuronium	Muscle relaxant	Lacks FDA approval
S5	Aldosterone	Diuretic	Lacks FDA approval
S6	Alendronate	Bisphosphonate	Fosamax, Binosto
S2	Alexamorelin	Growth Hormone	Lacks FDA approval
S0	Almotriptan	Selective Serotonin Receptor Agonist	Generic
S0	Alpha-pyrrolidinovalerophenone (Alpha PVP and “Bath Salts”)	Stimulant /Hallucinogen	Lacks FDA approval. DEA Schedule I.
S2	Alpha-casozepine	Sedative	Lacks FDA approval
S0	Alphadolone (Alfadolone) acetate	Anesthetic	Lacks FDA approval
S0	Alphaprodine	Opioid analgesic	Lacks FDA approval. DEA Schedule II.
S0	Alphenal	Barbiturate / Anticonvulsant	Lacks FDA approval
S0	Alpidem	Anxiolytic	Lacks FDA approval
S0	Alprenolol	Antihypertensive	Generic
S0	Althesin	Anesthetic	Lacks FDA approval
S5	Althiazide	Diuretic	Lacks FDA approval

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HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S6	Altrenogest Intact males, geldings, spayed females	Progestogen / Estrus Suppression	Regumate
S0	Alverine	Antispasmodic	Lacks FDA approval
S0	Amantadine	Dopamine agonist	Gocovri, Osmolex ER
S0	Ambenonium	Cholinesterase Inhibitor	Discontinued, no FDA-approved product commercially available
S0	Ambroxol	Mucolytic	Lacks FDA approval
S0	Ambucetamide	Antispasmodic	Lacks FDA approval
S0	Amfepramone	Antidepressant	Lacks FDA approval
S0	Amfetaminil	Stimulant	Lacks FDA approval
S0	Amidephrine	Stimulant	Lacks FDA approval
S5	Amiloride	Diuretic	Midamor
S0	Amineptine	Antidepressant	Lacks FDA approval
S4	Aminoglutethimide	Aromatase inhibitor	Discontinued, no FDA-approved product commercially available
S0	Aminomethylbenzoic acid	Anti-fibrinolytic	Lacks FDA approval
S0	Aminometradine	Diuretic	Lacks FDA approval
S0	Aminopterin	Anti-neoplastic / Immunosuppressive	Lacks FDA approval
S0	Aminopyrine (Pyramidon)	Analgesic	Lacks FDA approval
S0(x)	Aminorex	Stimulant	Lacks FDA approval. DEA Schedule I.

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HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Amiphenazole	Respiratory Stimulant	Lacks FDA approval
S5	Amisometradine	Diuretic	Lacks FDA approval
S0	Amisulpride	Antipsychotic	Barhemsys
S5	Amlodipine	Antihypertensive	Norvasc
S0	Ammonium Chloride	Chemical neurectomy	Generic
S0	Ammonium Sulphate	Chemical neurectomy	Lacks FDA approval
S0	Ammonium Sulphide	Chemical neurectomy	Lacks FDA approval
S0	Amobarbital	Bartiburate / Anticonvulsant	Lacks FDA approval. DEA Schedule II.
S0	Amoxapine	Antidepressant	Generic
S0	Amperozide	Antipsychotic	Lacks FDA approval
S0	Amphetamine	Stimulant	Adzenys XR-ODT, Dyanavel XR, Evekeo. DEA Schedule II.
S0	Amphetaminil	Stimulant	Lacks FDA approval
S0	Ampyrone	NSAID	Lacks FDA approval
S0	Amyl nitrite	Antihypertensive/ CNS Depressant	Lacks FDA approval
S0	Amylocaine	Local anesthetic	Lacks FDA approval
S2	Anamorelin	Growth Hormone	New Drug Application submitted; currently lacks FDA approval
S4	Anastrozole	Anti-estrogen	Arimidex

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S1</b>	Andarine	Selective Androgen Receptor Modulator (SARM)	Lacks FDA approval
<b>S1</b>	Androst-4-ene-3 $\alpha$ ,17 $\beta$ diol	Anabolic	DEA Schedule III.
<b>S1</b>	Androst-4-ene-3 $\beta$ ,17 $\alpha$ diol	Anabolic	DEA Schedule III.
<b>S1</b>	Androst-5-ene-3 $\alpha$ ,17 $\alpha$ diol	Anabolic	DEA Schedule III.
<b>S1</b>	Androst-5-ene-3 $\alpha$ ,17 $\beta$ diol	Anabolic	DEA Schedule III.
<b>S1</b>	Androst-5-ene-3 $\beta$ ,17 $\alpha$ diol	Anabolic	DEA Schedule III.
<b>S4</b>	Androstatrienedione (Androsta-1,4,6-triene-3,17-ddione)	Anabolic	DEA Schedule III.
<b>S4</b>	Androstenediol (androst-5-ene-3 $\beta$ , 17 $\beta$ diol)	Anabolic	DEA Schedule III.
<b>S4</b>	Androstenedione (androst-4-ene-3, 17dione)	Anabolic	DEA Schedule III.
<b>S4</b>	Androsterone (3 $\beta$ hydroxy-5 $\alpha$ - androstan-17-one)	Anabolic	DEA Schedule III.
<b>S0</b>	Anileridine	Opioid analgesic	Discontinued, no FDA-approved product commercially available. DEA Schedule II.
<b>S0</b>	Anilopam	Opioid analgesic	Lacks FDA approval
<b>S0</b>	Anisindione	Anticoagulant	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Anisotropine (Octatropine methylbromide)	Anticholinergic	Discontinued, no FDA-approved product commercially available



HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Antipyrine	NSAID	Lacks FDA approval
S0	Apazone (Azapropazone)	NSAID	Lacks FDA approval
S0	Apocodeine	Dopamine agonist	Lacks FDA approval
S0	Apomorphine	Opioid analgesic	Kynmobi, Apokyn
S0	Aprindine	Antiarrhythmic	Lacks FDA approval
S0	Aprobarbital	Barbiturate	Lacks FDA approval. DEA Schedule III.
S0	Apronalide	Sedative / Hypnotic	Lacks FDA approval
S2	ARA-290	Erythropoiesis	FDA Orphan Drug status
S0	Arecoline	Stimulant	Lacks FDA approval
S3	Arformoterol	Beta-2 agonist-bronchodilator	Brovana
S2	Argon	Hypoxia Inducible Factor activating	
S4	Arimistane (Anrosta-3,5-diene-7,17-dione)	Anabolic	Lacks FDA approval
S2	Asialo EPO	Erythropoiesis	
S0	Atenolol	Antihypertensive	Tenormin

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HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Atomoxetine	Stimulant	Strattera
S0	Azacylonol (γ-pipecolol)	CNS depressant	Lacks FDA approval
S0	Azapiperone	Sedative	Stresnil
S0	Azapetine	Vasodilator	Lacks FDA approval
S0	Azapropazone	NSAID	Lacks FDA approval
S0	Azathioprine	Immunosuppressor	Imuran
S0	Azatidine (Azatadine)	Antihistamine	Discontinued, no FDA-approved product commercially available
S5	Azosemide	Diuretic	Lacks FDA approval
S0	Bambuterol	Beta-2 agonist-bronchodilator	Lacks FDA approval
S0	Bamifylline	Bronchodilator	Lacks FDA approval
S0	Barbital (Barbitone)	Sedative / Hypnotic	Lacks FDA approval. DEA Schedule IV.
S4	Bazedoxifene	Selective Estrogen Receptor Modulator (SERM)	FDA-approved in combination with Premarin as Duavee
S0	Beclamide	Anticonvulsant	Lacks FDA approval
S0	Bemegride	Stimulant	Lacks FDA approval

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HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Benactyzine	Anticholinergic	Lacks FDA approval
S0	Benapryzine	Anticholinergic	Lacks FDA approval
S0	Benazepril	Antihypertensive	Lotensin, Lotrel (with amlodipine)
S5	Bendroflumethiazide	Diuretic	Naturetin, Corzide
S0	Benorilate	NSAID	Lacks FDA approval
S0	Benoxaprofen	NSAID	Lacks FDA approval
S0	Benperidol	Antipsychotic	Lacks FDA approval
S0	Bentazepam	Anxiolytic	Lacks FDA approval
S0	Benzoctamine	Sedative / Anxiolytic	Lacks FDA approval
S0	Benzonatate	Antitussive	Tessalon
S0	Benzphetamine	Stimulant	Generic DEA Schedule III.
S0	Benzquinamide	Antipsychotic / Anti-emetic	Discontinued, no FDA-approved product commercially available
S0	Benzthiazide	Diuretic	Discontinued, no FDA-approved product commercially available
S0	Benzydamine	NSAID	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S0</b>	Benzylpiperazine (BZP)	Stimulant	Lacks FDA approval
<b>S0</b>	Bepridil	Antihypertensive	Lacks FDA approval
<b>S0</b>	Betaprodine	Opioid analgesic	Lacks FDA approval. DEA Schedule I.
<b>S0</b>	Betaxolol	Antihypertensive	Betoptic
<b>S0</b>	Bethanidine (Betanidine)	Antihypertensive	Discontinued, no FDA-approved product commercially available
<b>S4</b>	Bimagrumab	Anabolic	Lacks FDA approval (Orphan drug designation withdrawn)
<b>S0</b>	Biperiden	Anticholinergic	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Biphenamine	Local anesthetic	Lacks FDA approval
<b>S0</b>	Biprsoprolol	Antihypertensive	Ziac [with hydrochlorothiazide]
<b>S0</b>	Biriperone (Centbutindole)	Antipsychotic	Lacks FDA approval
<b>S0</b>	Bitolterol	Beta-2 agonist-bronchodilator	Discontinued, no FDA-approved product commercially available
<b>S1</b>	Bolandiol (estr-4-ene3 $\beta$ , 17 $\beta$ -diol)	Anabolic	Lacks FDA approval
<b>S1</b>	Bolasterone (7 $\alpha$ , 17 $\alpha$ -dimethyltestosterone)	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	*Boldenone	Anabolic	Equipose DEA Schedule III.

\*Threshold: 0.015 mcg free and conjugated boldenone per mL in urine in male horses (other than geldings)

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S1</b>	Boldione	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S6</b>	Botulinum toxin	Neurotoxin	Botox, Dysport, Jeuveau
<b>S0</b>	Brallobarbital	Barbiturate	Lacks FDA approval
<b>S0</b>	Brimonidine	Antihypertensive	Alphagan P, Qoliana, Lumify
<b>S0</b>	Bromantan	Psychostimulant	Lacks FDA approval
<b>S0</b>	Bromazepam	Anxiolytic	Lacks FDA approval. DEA Schedule IV.
<b>S0</b>	Bromhexine	Mucolytic	Lacks FDA approval
<b>S0</b>	Bromisovalum	Sedative / Hypnotic	Lacks FDA approval
<b>S0</b>	Bromocriptine	Anticholinergic	Parlodel, Cycloset
<b>S0</b>	Bromophenethylamine	Psychedelic	Lacks FDA approval
<b>S0</b>	Bromperidol	Antipsychotic	Lacks FDA approval
<b>S0</b>	Brotizolam	Sedative / Hypnotic	Lacks FDA approval
<b>S0</b>	Bucetin	NSAID	Lacks FDA approval
<b>S0</b>	Buclizine	Antihistamine / Anti-emetic	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Bufexamac	NSAID	Lacks FDA approval
<b>S0</b>	Buflomedil	Vasodilator	Lacks FDA approval
<b>S0(x)</b>	*Bufotenine	Hallucinogen	Lacks FDA approval. DEA Schedule I.

\*Screening Limit: 10 mcg/mL Total (free and conjugated) in urine

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HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S5	Bumetanide	Diuretic	Bumex
S0	Bunitrolol	Vasodilator	Lacks FDA approval
S0	Bunolol	Antihypertensive	Betagan
S0	Buphenine (Nylidrin)	Vasodilator	Lacks FDA approval
S0	Bupranolol	Antihypertensive	Lacks FDA approval
S0	Bupropion	Antidepressant	Wellbutrin, Zyban
S4	Buserelin	Gonadotropin Releasing Hormone	Lacks FDA approval
S0	Butabarbital (Secbutobarbitone)	Barbiturate	Discontinued, no FDA-approved product commercially available. DEA Schedule III.
S0	Butacaine	Local anesthetic	Lacks FDA approval
S0	Butalbital (Talbutal)	Barbiturate	Esgic, Fioricet DEA Schedule III.
S0	Butanilcaine	Local anesthetic	Lacks FDA approval
S0	Butaperazine	Antipsychotic	Lacks FDA approval
S0	Butoctamide	Serotonin release	Lacks FDA approval
S0	Butofilolol	Antihypertensive	Lacks FDA approval
S0	Butoxycaine	Local anesthetic	Lacks FDA approval

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<b>S0</b>	Cafedrine	Cardiac stimulant	Lacks FDA approval
<b>S0</b>	Calcium dobesilate	Vasoprotective	Lacks FDA approval
<b>S1</b>	Calusterone (Methosarb, Riedemil, NSC-88536, U-22550)	Anabolic	Lacks FDA approval. (NSC-88536, U-22550) DEA Schedule III.
<b>S0</b>	Camazepam	Anxiolytic	Lacks FDA approval. DEA Schedule IV.
<b>S0</b>	Candesartan	Antihypertensive	Atacand
<b>S0(x)</b>	Cannabinoids (natural, synthetic and other cannabimimetics)	Psychotropic	Lack FDA approval
<b>S5</b>	Canrenone	Diuretic	Lacks FDA approval
<b>S1</b>	Capromorelin	Anabolic	Entyce, Elura
<b>S0</b>	Captodiamine (Captodiamine)	Antihistamine	Lacks FDA approval
<b>S0</b>	Captopril	Antihypertensive	Generic
<b>S0</b>	Caramiphen	Anticholinergic	Lacks FDA approval
<b>S0</b>	Carazolol	Antihypertensive	Lacks FDA approval
<b>S2</b>	Carbamylated EPO (CEPO)	Erythropoiesis	
<b>S0</b>	Carbazochrome (Adrenochrome monosemicarbazone)	Hemostatic	Lacks FDA approval

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S0	Carbetapentane (Pentoxyverine)	Antitussive	Lacks FDA approval
S0	Carbidopa	Decarboxylase Inhibitor	Lodosyn, Stalevo, Rytary, Duopa, Dhivy, Sinemet (all with levodopa)
S0	Carbimazole	Anti-hyperthyroidism	Lacks FDA approval
S0	Carbocysteine	Mucolytic	Lacks FDA approval
S0	Carbromal	Sedative / Hypnotic	Lacks FDA approval
S0	Carbuterol	Beta-2 agonist-bronchodilator	Lacks FDA approval
S1	Cardarine (GW-501, GW516, GSK-516)	Selective Androgen Receptor Modulator (SARM)	Lacks FDA approval
S0	Carfentanil	Opioid analgesic	Lacks FDA approval. DEA Schedule II.
S0	Carphedon	Psychostimulant	Lacks FDA approval
S0	Carphenazine	Antipsychotic	Discontinued, no FDA-approved product commercially available
S0	Carpipramine	Antipsychotic	Lacks FDA approval
S3	Carteolol	Antihypertensive	Generic
S0	Carvedilol	Antihypertensive	Coreg
S0	Cathinone	Stimulant	Lacks FDA approval. DEA Schedule I.
S0	Celiprolol	Antihypertensive	Lacks FDA approval



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S0	Cephaeline	Emetic, plant alkaloid	Lacks FDA approval
S0	Chlomethiazole	Anticonvulsant	Lacks FDA approval
S0	Chloral (Cloral) betaine	Sedative / Hypnotic	Lacks FDA approval. DEA Schedule IV.
S0	Chloral hydrate	Sedative	Lacks FDA approval. DEA Schedule IV.
S0	Chloralose (AlphaChloralose)	Anxiolytic	Lacks FDA approval
S0	Chlorcyclizine	Antihistamine	Lacks FDA approval
S0	Chlordiazepoxide	Anxiolytic	Librium, Librax (with Chlordiazepoxide Hydrochloride) DEA Schedule IV.
S0	Chlormadinone acetate	Reproductive hormone	Lacks FDA approval
S0	Chlormerodrin	Diuretic	Discontinued, no FDA-approved product commercially available
S0	Chlormezanone	Muscle relaxant	Discontinued, no FDA-approved product commercially available
S0	Chloroform	Anesthetic	Lacks FDA approval
S0	Chlorophenylpiperazine	Psychoactive	Lacks FDA approval
S0	Chloropyramine	Antihistamine	Lacks FDA approval
S5	Chlorothiazide	Diuretic	Diuril
S0	Chlorphenesin	Muscle relaxant	Discontinued, no FDA-approved product commercially available

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HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Chlorphenoxamine	Antihistamine	Lacks FDA approval
S0	Chlorphentermine	Stimulant	Discontinued, no FDA-approved product commercially available
S0	Chlorproethazine	Muscle relaxant	Lacks FDA approval
S0	Chlorpromazine	Sedative	Generic
S0	Chlorpropamide	Hypoglycemic	Discontinued, no FDA-approved product commercially available
S0	Chlorprothixene	Antipsychotic	Discontinued, no FDA-approved product commercially available
S5	Chlorthalidone	Diuretic	Thalitone
S0	Chlorthenoxazine	NSAID	Lacks FDA approval
S5	Chlorthiazide (Chlorothiazide)	Diuretic	Diuril
S2	Chorionic Gonadotropin (CG) Intact males and geldings	Reproductive hormone	Pregnyl
S0	Cicloprofen	NSAID	Lacks FDA approval
S0	Cilazapril	Antihypertensive	Lacks FDA approval
S0	Cimaterol	Beta-2 agonist-bronchodilator	Lacks FDA approval
S3	Cimbuterol	Beta-2 agonist-bronchodilator	Lacks FDA approval
S0	Cinchocaine	Local anesthetic	Lacks FDA approval
S0	Cinchophen	NSAID	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Cinnarizine	Antihistamine	Lacks FDA approval
S0	Citalopram	Antidepressant	Celexa
S0	Clanobutin	Cholorectic	Lacks FDA approval
S0	Clemizole	Antihistamine	Lacks FDA approval
S3	Clenpenterol	Beta-2 agonist-bronchodilator	Lacks FDA approval
S0	Clibucaine	Local anesthetic	Lacks FDA approval
S0	Clidinium	Anticholinergic	No FDA-approved product
S0	Clobazam	Anxiolytic	Sympazan, Onfi DEA Schedule IV.
S0	Clobenzorex	Stimulant	Lacks FDA approval
S6	Clodronate (Clodronic acid)	Bisphosphonate	OsPhos
S5	Clofenamid	Carbonic Anhydrase Inhibitor	Lacks FDA approval
S0	Clomethiazole (Chlormethiazole)	Sedative / Hypnotic	Lacks FDA approval
S4	Clomifene	Induce ovulation	Generic
S0	Clomipramine	Antidepressant	Clomicalm
S0	Clonazepam	Anxiolytic	Klonopin DEA Schedule IV.
S0	Clonixin	NSAID	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S5</b>	Cloпамide	Diuretic	Lacks FDA approval
<b>S0</b>	Cloranolol	Antihypertensive	Lacks FDA approval
<b>S0</b>	Clorazepate	Anxiolytic	Lacks FDA approval. DEA Schedule IV.
<b>S0</b>	Clormecaine	Local anesthetic	Lacks FDA approval
<b>S0</b>	Clorprenaline	Bronchodilator	Lacks FDA approval
<b>S1</b>	Clostebol	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	Clotiapine	Antipsychotic	Lacks FDA approval
<b>S0</b>	Clotiazepam	Anxiolytic	Lacks FDA approval
<b>S0</b>	Cloxazolam	Anxiolytic	Lacks FDA approval. DEA Schedule IV.
<b>S0</b>	Clozapine	Antipsychotic	Clozaril, Versacloz
<b>S2</b>	CNTO 530	Erythropoiesis	Lacks FDA approval
<b>S2</b>	*Cobalt Salts (e.g., CoCl <sub>2</sub> )	Erythropoiesis	
<b>S6</b>	Cobratoxin, alpha	Neurotoxin	Lacks FDA approval
<b>S0</b>	Cocaine (metabolite: benzoylecgonine)	Stimulant	Goprelto, Numbrino DEA Schedule II.
<b>S0</b>	Codeine	Opioid analgesic	Generic (DEA Schedule II) or in combination with NSAIDs, caffeine and other drugs (DEA Schedule III).

\*Threshold: 0.1mcg/mL total Cobalt in urine OR 0.025 mcg/mL total (free and protein bound)/ mL in serum or plasma.

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Conorphone	Opioid analgesic	Lacks FDA approval
S2	Corticorelin	Corticosteroid stimulation	Approved Orphan Drug
S0	Cortivazol	Glucocorticoid	Lacks FDA approval
S0	Cotinine (Cotinine is a metabolite of nicotine. If there is credible evidence that the presence of cotinine in a horse's sample is a consequence of nicotine exposure, the classification of cotinine may be revised to S7(A).)	Psychoactive / Anxiolytic	Lacks FDA approval
S0	Cropropamide	Respiratory Stimulant	Lacks FDA approval
S0	Crotethamide	Respiratory Stimulant	Lacks FDA approval
S0	Cyamemazine	Antipsychotic	Lacks FDA approval
S0	Cyclandelate	Vasodilator	Lacks FDA approval
S0	Cyclizine	Antihistamine	Discontinued, no FDA-approved product commercially available
S0	Cyclobarbitol	Barbiturate	Lacks FDA approval
S4	Cyclofenil	Selective Estrogen Receptor Modulator (SERM)	Lacks FDA approval
S0	Cycloguanil	Antimalarial	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Cyclomethycaine	Local anesthetic	Lacks FDA approval
S0	Cyclopentamine	Vasoconstrictor	Lacks FDA approval
S0	Cyclophenil	Selective Estrogen Receptor Modulator (SERM)	Lacks FDA approval
S0	Cyclothiazide	Diuretic	Discontinued, no FDA-approved product commercially available
S0	Cycrimine	Anticholinergic	Discontinued, no FDA-approved product commercially available
S4	Dalantercept (ACE-041)	Anti-neoplastic	Lacks FDA approval
S1	Danazol	Anabolic	Generic
S2	Darbepoetin (dEPO)	Erythropoiesis	Aranesp
S0	Decamethonium	Muscle relaxant	Discontinued, no FDA-approved product commercially available
S1	Dehydrochloromethyltestosterone	Anabolic	Turinabol DEA Schedule III.
S0	Delmadinone acetate	Reproductive hormone	Lacks FDA approval
S0	Delorazepam	Anxiolytic	Lacks FDA approval. DEA Schedule IV.
S0	Dembroxol (Dembrexine)	Mucolytic	Lacks FDA approval
S0(x)	Demecolcine	Anti-neoplastic / Immunomodulator	Lacks FDA approval
S0	Demoxepam	Anxiolytic	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Deoxycorticosterone	Minerlocorticoid	Lacks FDA approval
S0	Deptropine	Antihistamine	Lacks FDA approval
S6	Dermorphin	Opioid Receptor Agonist	Lacks FDA approval
S0	Deserpidine	Antihypertensive	Discontinued, no FDA-approved product commercially available
S0	Desipramine	Antidepressant	Norpramin
S4	Deslorelin Intact males and geldings	Reproductive hormone	Ovuplant, SucroMate, Suprelorin
S5	Desmopressin	Anti-diuretic	DDAVP, Nocdurna
S1	Desoxymethyltestosterone	Anabolic	Lacks FDA approval. DEA Schedule III.
S1	Desoxyvinyl-testosterone	Anabolic	Lacks FDA approval
S0	Dextromoramide	Opioid analgesic	Lacks FDA approval. DEA Schedule I.
S0	Dextropropoxyphene	Opioid analgesic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV.
S0	Dextrorphan (Dextrorphan may be present as a metabolite of dextromethorphan. If there is credible evidence that the presence of dextrorphan in the horse's sample is the consequence of dextromethorphan administration, the classification of dextrorphan may be revised to S7(A).)	Psychoactive / Antitussive	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Dezocine	Opioid analgesic	Discontinued, no FDA-approved product commercially available
S0	Diacerein	Anti-osteoarthritic	Lacks FDA approval
S0	Diamorphine (Diacetylmorphine)	Opioid analgesic	Lacks FDA approval. DEA Schedule I.
S0	Diazoxide	Antihypertensive / Hyperglycemic	Proglycem
S0	Dibenzepin	Antidepressant	Lacks FDA approval
S0	Dibucaine	Local anesthetic	Discontinued, no FDA-approved product commercially available
S0	Dichlorisone	Corticosteroid	Lacks FDA approval
S0	Dichloroacetate	Anti-neoplastic	Lacks FDA approval
S0	Dicumarol	Anticoagulant	Discontinued, no FDA-approved product commercially available
S0	Diethylpropion	Stimulant	Lacks FDA approval. DEA Schedule IV.
S0	Diethylthiambutene	Opioid analgesic	Lacks FDA approval. DEA Schedule I.
S0	Diethyltryptamine (DET)	Hallucinogen	Lacks FDA approval
S0	Diflucortolone	Corticosteroid	Lacks FDA approval
S0	Diflunisal	NSAID	Generic
S0	Digitoxin	Antiarrhythmic	Discontinued, no FDA-approved product commercially available
S0	Dihydrocodeine	Opioid analgesic	Trezix (with acetaminophen and caffeine) DEA Schedule III.



**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Dihydrocodeinone	Opioid analgesic	Lacks FDA approval
S0	Dihydromorphine	Opioid analgesic	Lacks FDA approval. DEA Schedule I.
S1	Dihydrotestosterone (17β-hydroxy- 5α-androstan-3-one, Androstanolone)	Anabolic	Anabolex, Andractimm, Pesomax, Stanolone DEA Schedule III.
S0	Diisopropylamine	Vasodilator	Lacks FDA approval
S0	Diltiazem	Antihypertensive	Cardizem CD, Taztia XT, Tiazac
S0	Dimeflin	Respiratory stimulant	Lacks FDA approval
S0	Dimethindene	Antihistamine	Lacks FDA approval
S0	Dimethisoquin (Quinocaine)	Local anesthetic	Lacks FDA approval
S0	Dimethylamphetamine	Stimulant	Lacks FDA approval
S0	Dimethylphenidate	Stimulant	Lacks FDA approval
S0(x)	*Dimethyltryptamine (DMT)	Hallucinogen	Lacks FDA approval. DEA Schedule I.
S0	Diphenadione	Anticoagulant	No FDA-approved product. Rodenticide
S0	Diphenylpyraline	Antihistamine	Discontinued, no FDA-approved product commercially available
S0	Dipipanone	Opioid analgesic	Lacks FDA approval. DEA Schedule I.
S0	Diprenorphine	Narcotic antagonist	M50-50

\*Threshold: 10 mcg/mL total (free and conjugated) in urine

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Diprophylline	Bronchodilator	Lacks FDA approval
S0	Disulfiram	Alcohol antagonist	Generic
S0	Divalproex	Anticonvulsant	Depakote
S0	Dixyrazine	Antipsychotic	Lacks FDA approval
S4	Domagrozumab	Anabolic	Lacks FDA approval
S0	Donepezil	Behavior and cognitive modifier	Adilarity, Aricept
S0	Dopexamine	Vasodilator	Lacks FDA approval
S0	Dothiepin	Antidepressant	Lacks FDA approval
S0	Doxacurium	Muscle relaxant	Discontinued, no FDA-approved product commercially available
S0	Doxazosin	Antihypertensive	Cardura
S0	Doxefazepam	Anxiolytic	Lacks FDA approval
S1	Dromostanolone (Drostanolone)	Anabolic	Lacks FDA approval
S0	Droperidol	Antipsychotic	Inapsine
S0	Drospirenone	Reproductive hormone	Slynd, Nextstellis, Angeliq, Lo-Zumandimine, Loryna, Elamisa, Nikki, Yaz
S0	Duloxetine	Antidepressant	Cymbalta, Drizalma
S0	Dyphylline (Diphylline)	Antipsychotic / Anti-emetic	Discontinued, no FDA-approved product commercially available

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S0</b>	Edrophonium	Muscle strengthener	Discontinued, no FDA-approved product commercially available
<b>S2</b>	Efaproxiral (RSR13)	Hemoglobin modifier	FDA orphan drug
<b>S0</b>	Eletriptan	Selective Serotonin Receptor Agonist	Relpax
<b>S0</b>	Eltenac	NSAID	Lacks FDA approval
<b>S0</b>	Embramine	Antihistamine	Lacks FDA approval
<b>S0</b>	Embutramide	Opioid analgesic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	Emepronium	Antispasmodic	Lacks FDA approval
<b>S0</b>	Emidonol	Anti-inflammatory	Lacks FDA approval
<b>S0</b>	Enalapril (metabolite enalaprilat)	Angiotensin-converting enzyme inhibitor	Vasotec
<b>S0</b>	Enciprazine	Anxiolytic / Antipsychotic	Lacks FDA approval
<b>S6</b>	Epibatidine	Analgesic	Lacks FDA approval
<b>S1</b>	Epi-dihydrotestosterone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	Epitestosterone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	Eplerenone	Antihypertensive	Inspra
<b>S2</b>	EPO-based constructs (e.g. EPO-Fc)	Erythropoiesis	Lacks FDA approval
<b>S2</b>	EPO-mimetic agents (e.g. CNTO-530, peginesatide)	Erythropoiesis	

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Ergonovine	Ergot alkaloid	Lacks FDA approval
S0(x)	Ergotamine	Ergot alkaloid	Ergomar, Migergot (with caffeine)
S0	Erythritol tetranitrate	Vasodilator	Lacks FDA approval
S2	Erythropoietin (EPO)	Erythropoiesis	
S0	Esmolol	Antihypertensive	Brevibloc
S0	Estazolam	Sedative / Anticonvulsant	Prosom DE Schedule IV.
S0	Eszopiclone	Hypnotic	Lunesta
S0	Etafedrine	Bronchodilator	Lacks FDA approval
S0	Etamiphylline	Respiratory Stimulant	Lacks FDA approval
S0	Ethamivan (Etamivan)	Respiratory Stimulant	Lacks FDA approval
S5	Ethacrynic acid (Etacrynic acid)	Diuretic	Edecrin
S0	Ethamsylate	Antihemorrhagic	Lacks FDA approval
S0	Ethanol	Depressant	Grain alcohol, Everclear
S0	Ethaverine	Vasodilator	Lacks FDA approval
S0	Ethchlorvynol	Sedative / Hypnotic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV.
S0	Ethiazide	Diuretic	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Ethinamate	Sedative / Hypnotic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV.
S0	Ethinylestradiol	Reproductive hormone	Lacks FDA approval
S0	Ethoheptazine	Analgesic	Lacks FDA approval
S0	Ethopropazine	Anticholinergic	Discontinued, no FDA-approved product commercially available
S0	Ethosuximide	Anticonvulsant	Zarontin
S0	Ethotoin	Anticonvulsant	Discontinued, no FDA-approved product commercially available
S0	Ethoxzolamide	Carbonic Anhydrase Inhibitor	Discontinued, no FDA-approved product commercially available
S0	Ethyl isobutrazine	Sedative	Lacks FDA approval
S0	Ethyl Loflazepate	Sedative / Anxiolytic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV.
S0	Ethylamphetamine	Stimulant	Lacks FDA approval
S1	Ethylestrenol	Anabolic	Discontinued, no FDA-approved product commercially available. DEA Schedule III.
S0	Ethylmorphine	Opioid analgesic	Lacks FDA approval. DEA Schedule II.
S0	Ethylnorepinephrine	Stimulant	Lacks FDA approval
S0	Ethylphenidate	Stimulant	Lacks FDA approval
S0	Etidocaine	Local anesthetic	Discontinued, no FDA-approved product commercially available

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Etifoxine (Etafenoxine)	Anticonvulsant	Lacks FDA approval
S0	Etilefrine	Stimulant	Lacks FDA approval
S0	Etiocholanolone	Anabolic	Lacks FDA approval
S0	Etizolam	Anxiolytic	Lacks FDA approval
S0	Etodroxizine	Antihistamine	Lacks FDA approval
S0	Etofenamate	NSAID	Lacks FDA approval
S0	Etomidate	Anesthetic	Amidate
S0	Etoricoxib	NSAID	Lacks FDA approval
S0	Etorphine HCl	Opioid analgesic	M99 DEA Schedule II.
S2	Examorelin (Hexarelin)	Growth hormone	Lacks FDA approval
S4	Exemestane	Aromatase inhibitor	Aromasin
S0	Famprofazone	NSAID	Lacks FDA approval
S0	Febarbamate	Anxiolytic	Lacks FDA approval
S0	Felbamate	Anticonvulsant	Trezix, Tuxari, Triacin-C
S0	Felbinac	NSAID	Lacks FDA approval
S0	Felodipine	Antihypertensive	Generic
S0	Fenbufen	NSAID	Felbatol

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Fenbutrazate	Psychostimulant	Lacks FDA approval
S0	Fencamfamine	Stimulant	Lacks FDA approval. DEA Schedule IV.
S0	Fencamine	Psychostimulant	Lacks FDA approval
S0	Fenclofenac	NSAID	Lacks FDA approval
S0	Fenclozic acid	NSAID	Lacks FDA approval
S0	Fenetylline (Fenetylline, Phenethylline, Phenetylline)	Psychostimulant	Lacks FDA approval
S0	Fenfluramine	Stimulant	Fintepla. DEA Schedule IV.
S3	Fenoterol	Beta-2 agonist-bronchodilator	Lacks FDA approval
S0	Fenozolone	Psychostimulant	Lacks FDA approval
S0	Fenpiprane	Antispasmodic	Lacks FDA approval
S0	Fenproporex	Stimulant	Lacks FDA approval. DEA Schedule IV.
S0	Fenspiride	Bronchodilator	Lacks FDA approval
S0	Fentiazac	NSAID	Lacks FDA approval
S0	Feprazone	NSAID	Lacks FDA approval
S2	Fibroblast Growth Factors (FGFs)	Growth Hormone	
S0	Flavoxate	Anticholinergic	Generic
S0	Floctafenine	NSAID	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Fluanisone	Antipsychotic	Lacks FDA approval
S0	Fludiazepam	Anxiolytic	Lacks FDA approval. DEA Schedule IV.
S0	Fludrocortisone	Corticosteroid	Generic
S0	Flufenamic acid	NSAID	Lacks FDA approval
S5	Flumethiazide	Diuretic	Discontinued, no FDA-approved product commercially available
S0	Flunarizine	Calcium channel blocker	Lacks FDA approval
S0	Flunisolide	Corticosteroid	Generic
S0	Flunitrazepam	Sedative / Anxiolytic	Lacks FDA approval. DEA Schedule IV.
S0	Fluocortolone	Corticosteroid	Lacks FDA approval
S0	Flupromazine (Triflupromazine)	Antipsychotic	Lacks FDA approval
S0	Fluoresone	Anticonvulsant	Lacks FDA approval
S0	Fluorocortisone	Corticosteroid	Lacks FDA approval
S0	Fluorophenethylamine	Stimulant	Lacks FDA approval
S0	Fluoroprednisolone	Corticosteroid	Discontinued, no FDA-approved product commercially available
S0	Fluoxetine	Antidepressant	Prozac
S1	Fluoxymesterone	Anabolic	Discontinued, no FDA-approved product commercially available. DEA Schedule III.



**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Flupenthixol (Flupentixol)	Antipsychotic	Lacks FDA approval
S0	Flupirtine	Analgesic	Lacks FDA approval
S0	Fluprednisolone	Corticosteroid	Discontinued, no FDA-approved product commercially available
S0	Flurazepam	Sedative / Anxiolytic	Generic. DEA Schedule IV.
S0	Fluspirilene	Antipsychotic	Lacks FDA approval
S0	Flutoprazepam	Sedative / Anxiolytic	Lacks FDA approval
S0	Fluvoxamine	Antidepressant	Luvox
S4	Follistatin	Myostatin inhibitor	
S1	Formebolone	Anabolic	Lacks FDA approval. DEA Schedule III.
S4	Formestane	Aromatase inhibitor	Lacks FDA approval
S3	Formoterol (Aformoterol)	Beta-2 agonist-bronchodilator	Brovana; Breyana (with budesonide); Duaklir Pressair (with acclidinium)
S0	Fosinopril	Antihypertensive	Generic
S0	Fosphenytoin	Anticonvulsant	Cerebyx
S4	Fulvestrant	Estrogen antagonist	Falsodex
S1	Furazabol	Anabolic	Lacks FDA approval. DEA Schedule III.
S0	Furazadrol	Anabolic	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S0</b>	Furfenorex	Stimulant	Lacks FDA approval
<b>S0</b>	Galantamine	Acetylcholinesterase inhibitor	Razadyne
<b>S0</b>	Gallamine	Muscle relaxant	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Gamma Aminobutyric Acid (GABA)	Neurotransmitter	Endogenous substance
<b>S0</b>	Gamma-butyrolactone (GBL)	Neurohormone	Lacks FDA approval
<b>S0</b>	Gamma-hydroxybutyrate (GHB)	CNS depressant	Lacks FDA approval
<b>S0</b>	Gepirone	Antidepressant	Lacks FDA approval
<b>S1</b>	Gestrinone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	GH-Releasing Peptides (ghrps), e.g., alexamorelin, GHRP-6, hexarelin and pralmorelin (GHRP-2)	Growth Hormone	
<b>S0(x)</b>	*Glaucine	Antitussive	Lacks FDA approval
<b>S0</b>	Glutethimide (Chlorhexidol)	Sedative	Discontinued, no FDA-approved product commercially available. DEA Schedule II.
<b>S4</b>	Gonadorelin Intact males and geldings	Reproductive hormone modulator	Cystorelin, Factrel, Fertelin, OvaCyst, Fertagyl, Gonabreed
<b>S2</b>	Goserelin	Reproductive hormone modulator	Zoladex

\*Screening Limit: 0.5 ng/mL in serum or plasma

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S1</b>	Growth Hormone Releasing Hormone (GHRH)	Anabolic	
<b>S0</b>	Guanadrel	Antihypertensive	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Guanethidine	Antihypertensive	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Guanoclor	Antihypertensive	Lacks FDA approval
<b>S0</b>	Halazepam	Sedative / Anxiolytic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV.
<b>S0</b>	Haldrol	Anabolic	Lacks FDA approval
<b>S0</b>	Haloperidol	Antipsychotic	Haldol
<b>S0</b>	Haloxazolam	Sedative / Anxiolytic	Lacks FDA approval
<b>S0</b>	Harmaline	Psychoactive	Lacks FDA approval
<b>S2</b>	Hepatocyte Growth Factor (HGF)	Growth Hormone	
<b>S0</b>	Heptaminol	Cardiac stimulant	
<b>S0</b>	Hexafluorenium	Muscle relaxant	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Hexobarbital	Sedative	Lacks FDA approval
<b>S0</b>	Hexocyclium	Anticholinergic	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Hexylcaine	Local anesthetic	Discontinued, no FDA-approved product commercially available

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S3</b>	Higenamine (Norclaurine, Demethylcoclaurine)	Bronchodilator	Constituent of numerous OTC dietary supplements marketed for weight loss or as sports/energy supplements. Lacks FDA approval
<b>S0</b>	Histapyrrodine	Antihistamine	Lacks FDA approval
<b>S4</b>	Histrelin	GnRH agonist	Supprelin LA, Vantas
<b>S0</b>	Homophenazine	Antipsychotic	Lacks FDA approval
<b>S5</b>	Hydrochlorthiazide	Diuretic	Lotensin (with Bisoprolol), Vaseretic (with Enalapril), Avilide (with Irbesartan), Zestoretic (with Lisinopril), Lopressor (with Metoprolol), Micardis (with Telmisartan), and others
<b>S0</b>	Hydrocodone (Dihydrocodienone)	Opioid analgesic	Hysingla, Apadaz, Anexsia (with acetaminophen); Hycodan (with homatropine) DEA Schedule II.
<b>S5</b>	Hydroflumethiazide	Diuretic	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Hydromorhinol	Opioid analgesic	Lacks FDA approval
<b>S0</b>	Hydromorphone	Opioid analgesic	Dilaudid DEA Schedule II.
<b>S0</b>	Hydroxyamphetamine	Stimulant	Paremyd (with Tropicamide)
<b>S0</b>	Hydroxy-gamma amino butyric acid	Neurohormone	Lacks FDA approval
<b>S0</b>	Hydroxytestosterone	Anabolic	Lacks FDA approval
<b>S6</b>	Ibandronate	Bisphosphonate	Generic

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Ibogaine	Psychoactive	Lacks FDA approval. DEA Schedule I.
S2	Ibutamoren	Growth Hormone	Investigational New Drug (in clinical trials)
S0	Iloprost	Vasodilator	Ventavis
S3	Indacaterol	Beta-2 agonist-bronchodilator	Discontinued, no FDA-approved product commercially available
S5	Indapamide	Diuretic	Generic
S0	Indoprofen	NSAID	Lacks FDA approval
S0	Indoramin	Antihypertensive	Lacks FDA approval
S2	Insulin- like Growth Factor-1 (IGF-1) and its analogues	Peptide hormone	
S2	Insulins	Anti-hyperglycemics	
S2	IOX-2	Erythropoiesis	Lacks FDA approval
S2	Ipamorelin	Growth Hormone	Lacks FDA approval
S0	Iprindole	Antidepressant	Lacks FDA approval
S0	Iproniazid	Antidepressant	Lacks FDA approval
S0	Ipsapirone	Antidepressant	Lacks FDA approval
S0	Irbesartan	Antihypertensive	Avalide, Avapro
S0	Isoaminile	Antitussive	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Isocarboxazid	Antidepressant	Marplan
S0	Isoetharine	Bronchodilator	Discontinued, no FDA-approved product commercially available
S0	Isomethadone (Isoamidone)	Synthetic Opioid analgesic	Lacks FDA approval. DEA Schedule II.
S0	Isometheptene	Sympathomimetic	Lacks FDA approval
S0	Isopropamide	Anticholinergic	Discontinued, no FDA-approved product commercially available
S3	Isoproterenol	Beta-2 agonist	Generic
S0	Isopyrin (Raminfenazone)	NSAID	Lacks FDA approval
S0	Isothipendyl	Antihistamine	Lacks FDA approval
S0	Isoxicam	NSAID	Lacks FDA approval
S0	Isoxsuprine	Vasodilator	Lacks FDA approval
S0	Isradipine	Antihypertensive	Generic
S0	Kebuzone	NSAID	Lacks FDA approval
S0	Ketazolam	Sedative / Anxiolytic	Lacks FDA approval. DEA Schedule IV.
S2	Krypton	Hypoxia Inducible Factor activating	
S0	Labetalol	Antihypertensive	Trandate
S4	Landogrozumab	Myostatin inhibitor	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S2	Lenomorelin (Ghrelin)	Growth Hormone	Lacks FDA approval
S0	Lenperone	Antipsychotic	Lacks FDA approval
S0	Leptazole (Pentylentetrazole)	Stimulant	Lacks FDA approval
S0	Letosteine	Mucolytic	Lacks FDA approval
S2	Letrozole	Aromatase inhibitor	Femara
S2	Leuprorelin (Leuprolide)	Reproductive hormone modulator	Eligard Kit, Fensolvi Kit, Camcevi Kit
S0	Levallorphan	Opioid Antagonist	Discontinued, no FDA-approved product commercially available
S0	Levobunolol	Antihypertensive	Betagan
S0	Levocabastine	Antihistamine	Discontinued, no FDA-approved product commercially available
S0	Levodopa	Decarboxylase Inhibitor	Inbrija, Stalevo, Rytary, Duopa, Dhivy, Sinemet (all with carbidopa)
S0	Levomethadone	Opioid analgesic	Lacks FDA approval
S0	Levomethorphan	Opioid analgesic	Lacks FDA approval. DEA Schedule II.
S0	Levophacoperane	Psychostimulant	Lacks FDA approval
S0	Levorphanol	Opioid analgesic	Generic DEA Schedule II.
S3	Levosalbutamol (Levalbuterol)	Beta-2 agonist-bronchodilator	Xopenex

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S4	Levothyroxine	Metabolic hormone	Thyro-Tabs, ThyroKare, Tirosint, Ermeza, Euthyrox, Levolet, Synthroid, Levoxyl, Unithroid
S0	Lidoflazine	Vasodilator	Lacks FDA approval
S4	Ligandrol (LGD-4033)	Selective Androgen Receptor Modulator (SARM)	Lacks FDA approval
S0	Lisinopril	Antihypertensive	Zestoretic, Qbrelis
S0	Lithium	Mood Stabilizer	Lithobid
S0(x)	*Lobeline	Respiratory Stimulant	Plant alkaloid (Lobelia, Indian Tobacco) Environmental substance. Lacks FDA approval.
S0	Lofentanil	Opioid analgesic	Lacks FDA approval
S0	Lofepamine	Antidepressant	Lacks FDA approval
S0	Loflazepate, Ethyl	Anxiolytic	Lacks FDA approval
S2	Lonapegsomatropin	Growth Hormone	FDA Orphan Drug
S0	Loprazolam	Anxiolytic	Lacks FDA approval. DEA Schedule IV.
S0	Lorazepam	Anxiolytic	Ativan DEA Schedule IV.
S0	Lormetazepam	Sedative / Anxiolytic	Lacks FDA approval
S0	Lornoxicam	NSAID	Lacks FDA approval. DEA Schedule IV.
S0	Losartan	Antihypertensive	Cozaar, Hyzaar [with hydrochlorothiazide]

\*Screening Limit: 2 ng/mL in serum or plasma



**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Loxapine	Antipsychotic	Adasuve
S3	Lubabegron	Beta adrenergic modulator	Experior
S0	Lumiracoxib	NSAID	Lacks FDA approval
S2	Luspatercept	Erythropoiesis	FDA Orphan Drug
S2	Luteinizing Hormone (LH)	Reproductive hormone modulator	
S3	Mabuterol	Beta-2 agonist-bronchodilator	Lacks FDA approval
S2	Macimorelin	Growth Hormone	Macrilen
S0	Maprotiline	Antidepressant	Discontinued, no FDA-approved product commercially available
S0	Mazindol	Stimulant	Discontinued, no FDA-approved product commercially available. DEA Schedule IV.
S0	Mebanazine	Antidepressant	Lacks FDA approval
S0	Mebeverine	Antispasmodic	Lacks FDA approval
S0	Mebhydroline (Mebhydrolin)	Antihistamine	Lacks FDA approval
S0	Mebutamate	Sedative / Anxiolytic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV.
S0	Mecamylamine	Vasodilator	Generic
S2	Mechano Growth Factors (MGFs)	Growth Hormone	
S0	Meclizine	Antihistamine	Antivert

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S1</b>	Meclofenoxate	Cholinergic nootropic	Lacks FDA approval
<b>S0(x)</b>	Meconine	Opioid	Lacks FDA approval
<b>S0</b>	Medazepam	Sedative / Anxiolytic	Lacks FDA approval. DEA Schedule IV.
<b>S0</b>	Medrylamine	Antihistamine	Lacks FDA approval
<b>S0</b>	Medrysone	Corticosteroid	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Mefenamic acid	NSAID	Ponstel
<b>S0</b>	Mefenorex	Stimulant	Lacks FDA approval. DEA Schedule IV.
<b>S0</b>	Mefexamide	Stimulant	Lacks FDA approval
<b>S0</b>	Mefruside	Diuretic	Lacks FDA approval
<b>S2</b>	Meldonium	Anti-ischemic	Lacks FDA approval
<b>S0</b>	Melperone	Antipsychotic	Lacks FDA approval
<b>S0</b>	Memantine	Alzheimer's treatment	Namenda, Namzaric (with donepezil)
<b>S0</b>	Meparfynol (Methylpentynol)	Sedative	Lacks FDA approval
<b>S0</b>	Mepazine	Antipsychotic	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Mepednisone	Corticosteroid	Lacks FDA approval
S0	Mepenzolate	Anti-ulcer	Discontinued, no FDA-approved product commercially available
S0	Meperidine	Opioid analgesic	Demerol DEA Schedule II.
S0	Mephenesin	Muscle relaxant	Lacks FDA approval
S0	Mephenoxalone	Muscle relaxant	Lacks FDA approval
S0	Mephentermine	Cardiac stimulant	Discontinued, no FDA-approved product commercially available
S0	Mephénytoin	Anticonvulsant	Discontinued, no FDA-approved product commercially available
S0	Mephobarbital (Methylphenobarbital)	Sedative / Anxiolytic	Lacks FDA approval
S0	Mepindolol	Beta blocker	Lacks FDA approval
S0	Meprobamate (Meprobamate is a metabolite of carisoprodol. If there is credible evidence that the presence of meprobamate in a horse's sample is the consequence of carisoprodol administration, the classification of meprobamate may be revised to S7(A).)	Anxiolytic	Generic DEA Schedule IV.
S0	Meprylcaine	Local anesthetic	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Meptazinol	Narcotic	Lacks FDA approval
S5	Meralluride	Diuretic	Lacks FDA approval
S5	Merbaphen	Diuretic	Lacks FDA approval
S5	Mercaptomerin	Diuretic	Lacks FDA approval
S0	Mersalyl	Diuretic	Discontinued, no FDA-approved product commercially available
S0	Mesocarb	Stimulant	Lacks FDA approval
S0	Mesoridazine	Antipsychotic	Discontinued, no FDA-approved product commercially available
S1	Mestanolone	Anabolic	Lacks FDA approval. DEA Schedule III.
S1	Mesterolone	Anabolic	Lacks FDA approval. DEA Schedule III.
S0	Metaclazepam	Anxiolytic	Lacks FDA approval
S1	Metandienone	Anabolic	Lacks FDA approval
S3	Metaproterenol (Orciprenaline)	Beta-2 agonist-bronchodilator	Generic
S0	Metaraminol	Antihypotensive	Generic
S0	Metaxalone	Muscle relaxant	Skelaxin

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S0</b>	Metazocine	Opioid analgesic	Lacks FDA approval. DEA Schedule II.
<b>S1</b>	Metenolone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	Metformin	Anti-hyperglycemic	Fortamet, Glumetza, Glucophage
<b>S0</b>	Methacholine	Bronchoconstrictor	Provocholine
<b>S0(x)</b>	Methadone	Synthetic opioid agonist	Methadose DEA Schedule II.
<b>S0</b>	Methallenestril	Synthetic estrogen	Lacks FDA approval
<b>S0</b>	Methamphetamine	Stimulant	Desoxyn DEA Schedule II.
<b>S1</b>	Methandienone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	Methandriol (Methylandrostenediol)	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	Methandrostenolone	Anabolic	Lacks FDA approval
<b>S0</b>	Methantheline	Anticholinergic	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Methapyrilene	Antihistamine	Lacks FDA approval
<b>S0</b>	Methaqualone	Sedative	Lacks FDA approval. DEA Schedule I.
<b>S0</b>	Metharbital	Sedative	Discontinued, no FDA-approved product commercially available
<b>S1</b>	Methasterone	Anabolic	Lacks FDA approval. DEA Schedule III.

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Methazolamide	Carbonic Anhydrase Inhibitor	Generic
S0	Methcathinone	Stimulant	Lacks FDA approval. DEA Schedule I.
S0	Methdilazine	Antihistamine	Discontinued, no FDA-approved product commercially available
S1	Methenolone	Anabolic	Lacks FDA approval. DEA Schedule III.
S0	Methimazole	Anti-thyroid	Generic
S0	Methixene	Anticholinergic	Discontinued, no FDA-approved product commercially available
S0	Methohexital	Sedative	Brevital
S0	Methotrimeprazine	Antipsychotic	Lacks FDA approval
S0	Methoxamine	Stimulant	Discontinued, no FDA-approved product commercially available
S3	Methoxyphenamine	Bronchodilator	Lacks FDA approval
S2	Methoxypolyethylene glycol-epoetin beta (CERA)	Erythropoiesis	Micera
S0	*Methoxytyramine (3-)	Neuromodulator	Endogenous substance
S0	Methscopolamine (Methyl scopolamine)	Anticholinergic	Generic
S0	Methsuximide	Anticonvulsant	Celontin

Threshold: 4 mcg/mL total (free and conjugated) 3-methoxytyramine per mL in urine

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S1</b>	Methyl-1-testosterone	Anabolic	Android 25 DEA Schedule III.
<b>S0</b>	Methylaminorex	Stimulant	Lacks FDA approval. DEA schedule I.
<b>S0</b>	Methylatropine	Anticholinergic	Lacks FDA approval
<b>S0</b>	Methylchlorthiazide (Methylclothiazide)	Diuretic	Lacks FDA approval
<b>S1</b>	Methylclostebol	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S5</b>	Methylclothiazide	Diuretic	Discontinued, no FDA-approved product commercially available
<b>S1</b>	Methyldienolone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	Methyldopa	Antihypertensive	Generic
<b>S0</b>	Methylenedioxyamphetamine (MDA)	Stimulant	Lacks FDA approval. DEA Schedule I.
<b>S0</b>	Methylenedioxyethylamphetamine (MDEA)	Stimulant	Lacks FDA approval. DEA Schedule I.
<b>S0</b>	Methylenedioxymethamphetamine (MDMA)	Stimulant	Lacks FDA approval. DEA Schedule I.
<b>S0</b>	Methylephedrine	Stimulant	Lacks FDA approval
<b>S0</b>	Methylhexanamine (Methylhexaneamine)	Stimulant	Lacks FDA approval
<b>S0</b>	Methylmethcathinone	Stimulant	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S1</b>	Methylnortestosterone (Trestolone)	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	Methylphenidate	Stimulant	Ritalin DEA Schedule II.
<b>S0</b>	Methylprylone (methprylon)	Sedative	Lacks FDA approval
<b>S0</b>	Methylpseudoephedrine	Stimulant	Lacks FDA approval
<b>S1</b>	Methyltestosterone	Anabolic	Android 25 DEA Schedule III.
<b>S1</b>	Methyltrienolone (metribolone)	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	Methyprylon	Sedative	Discontinued, no FDA-approved product commercially available. DEA Schedule III.
<b>S0</b>	Methysergide	Ergot alkaloid	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Metiamide	Antihistamine	Lacks FDA approval
<b>S5</b>	Meticrane	Diuretic	Lacks FDA approval
<b>S0</b>	Metipranolol	Antihypertensive	Lacks FDA approval
<b>S0</b>	Metocurine	Muscle relaxant	Discontinued, no FDA-approved product commercially available
<b>S5</b>	Metolazone	Diuretic	Generic
<b>S0</b>	Metomidate	Sedative / Hypnotic	Lacks FDA approval



HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Metopon (Methyldihydromorphinone)	Opioid analgesic	Lacks FDA approval. DEA Schedule II.
S0	Metoprolol	Antihypertensive	Lopressor
S0	Metrenperone	Myositis preventative	Lacks FDA approval
S1	Metribolone	Anabolic	Lacks FDA approval. DEA Schedule III.
S0	Metyrapone	Hydrocortisone synthesis inhibitor	Metopirone
S0	Mexazolam	Anxiolytic	Lacks FDA approval
S0	Mianserin	Antidepressant	Lacks FDA approval
S0	Mibefradil	Antihypertensive	Lacks FDA approval
S1	Mibolerone	Anabolic	Cheque Drops DEA Schedule III.
S0	Midodrine	Antihypotensive	Orvaten
S0	Minoxidil	Antihypertensive	Rogaine
S0	Mirtazapine	Antidepressant	Remeron
S0	Mitragynine	Stimulant	Lacks FDA approval
S0	Mivacurium	Muscle relaxant	Generic

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Modafinil	Stimulant	Provigil DEA Schedule IV.
S0	Moexipril (Metabolite: Moexiprilat)	Antihypertensive	Generic
S0	Mofebutazone	NSAID	Lacks FDA approval
S2	Molidustat (BAY 85-3934)	Erythropoiesis	Lacks FDA approval
S0	Molindone	Antipsychotic	Generic
S0	Moperone	Antipsychotic	Lacks FDA approval
S0	Moprolol	Antihypertensive	Lacks FDA approval
S0	Morpheridine	Analgesic	Lacks FDA approval
S0	Mosapramine	Antipsychotic	Lacks FDA approval
S0	Moxaverine	Vasodilator	Lacks FDA approval
S0(x)	Muscarine	Cholinergic	Plant alkaloid
S0	Myo-inositol trispyrophosphate (ITPP, OXY111A)	Oxygen transfer	Lacks FDA approval
S0	Nadolol	Antihypertensive	Corgard

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Nadoxolol	Antihypertensive	Lacks FDA approval
S0	Naepaine	Local anesthetic	Lacks FDA approval
S2	Nafarelin	Reproductive hormone modulator	Synarel
S0	Naftidrofuryl	Vasodilator	Lacks FDA approval
S0	Nalbuphine	Opioid receptor agonist and antagonist	Generic
S0	Nalorphine	Opioid receptor agonist and antagonist	Nalline DEA Schedule III.
S1	Nandrolone (19-nortestosterone) Fillies, mares and geldings	Anabolic	Discontinued, no FDA-approved product commercially available. DEA schedule III.
S0	Naratriptan	Selective Serotonin Receptor Agonist	Amerge
S0	Nebivolol	Antihypertensive	Bystolic
S0	Nefazodone	Antidepressant	Generic
S0	Nefopam	Analgesic	Lacks FDA approval
S6	Neridronate	Bisphosphonate	Lacks FDA approval
S0	Nialamide	Antidepressant	Lacks FDA approval
S0	Nicardipine	Antihypertensive	Generic

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Nicoumalone	Anticoagulant	Lacks FDA approval
S0	Nifedipine	Antihypertensive	Procardia
S0	Nifenalol	Antihypertensive / Antiarrhythmic	Lacks FDA approval
S0	Niflumic acid	NSAID	Lacks FDA approval
S0	Nikethamide	Stimulant	Lacks FDA approval
S0	Nimesulide	NSAID	Lacks FDA approval
S0	Nimetazepam	Hypnotic	Lacks FDA approval. DEA Schedule IV.
S0	Nimodipine	Calcium channel blocker	Generic
S0	Nitrazepam	Sedative / Anxiolytic	Lacks FDA approval. DEA Schedule IV.
S0	Nitroglycerin	Vasodilator	Nitromist, Nitro-Dur, Nitrostat
S0	Nomifensine	Antidepressant	Lacks FDA approval
S1	Norandrostenediol	Anabolic	Lacks FDA approval
S1	Norandrostenedione	Anabolic	Lacks FDA approval
S1	Norandrosterone	Anabolic	Lacks FDA approval. DEA Schedule III.

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S1</b>	Norbolethone / Norboletone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	Norclostebol	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	Nordiazepam / Nordazepam (Nordiazepam is a metabolite of diazepam. If there is credible evidence that the presence of nordiazepam in a horse's sample is the consequence of exposure to diazepam, the classification of nordiazepam may be revised to S7(A).)	Sedative / Anxiolytic	Lacks FDA approval. DEA Schedule IV.
<b>S1</b>	Norethandrolone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	Norethisterone (norethindrone)	Anabolic	Combipatch, Activella, Amabelz, Nortrel, Alyacen, Aranelle and multiple others (with estradiol)
<b>S0</b>	Norfefrine	Antihypotensive	Lacks FDA approval
<b>S0</b>	Norfenfluramine	Stimulant	Lacks FDA approval
<b>S0</b>	Norfluoxetine (Seproxetine)	Antidepressant	Lacks FDA approval
<b>S0</b>	Norpseudoephedrine (Cathine)	Stimulant	Lacks FDA approval. DEA Schedule IV.
<b>S0</b>	Nortriptyline	Antidepressant	Pamelor

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Noscapine	Antitussive	Lacks FDA approval
S0	Nylidrin (Buphenine)	Vasodilator	Lacks FDA approval
S0	Octopamine (Octopamine is a metabolite of ephedrine. If there is credible evidence that the presence of octopamine is a consequence of exposure to ephedrine, the classification of octopamine may be revised to S7(A).)	Stimulant	Lacks FDC approval
S0	Olanzapine	Antipsychotic	Zyprexa
S0	Oliceridine	Opioid agonist	Olinvk DEA Schedule II.
S0	Olmesartan	Antihypertensive	Benicar (with medoxomil)
S3	Olodaterol	Beta-2 agonist-bronchodilator	Striverdi Respimat, Stiolto Respimat (with tiotropium bromide)
S6	Olpadronate	Bisphosphonate	Lacks FDA approval
S0	Opipramol	Antidepressant	Lacks FDA approval
S3	Orciprenaline (Metaproterenol)	Beta-2 agonist-bronchodilator	Generic
S0(x)	Oripavine	Opioid	Plant alkaloid DEA schedule II.

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Orphenadrine	Muscle relaxant	Generic
S4	Ospemifene	Selective Estrogen Receptor Modulator (SERM)	Osphena
S1	Ostarine (Enobosarm)	Selective Androgen Receptor Modulator (SARM)	Lacks FDA approval
S1	Oxabolone	Anabolic	Lacks FDA approval
S0	Oxaflumazine	Psychosedative	Lacks FDA approval
S1	Oxandrolone	Anabolic	Generic DEA Schedule III.
S0	Oxaprozin	NSAID	Daypro
S0	Oxazepam (Oxazepam is a metabolite of diazepam. If there is credible evidence that the presence of oxazepam in a horse's sample is the consequence of exposure to diazepam, the classification of oxazepam may be revised to S7(A).)	Anxiolytic	Generic DEA Schedule IV.
S0	Oxazolam	Sedative / Anxiolytic	Lacks FDA approval. DEA Schedule IV.
S0	Oxcarbazepine	Anticonvulsant	Generic
S0	Oxethazaine (Oxetacaine)	Local anesthetic	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S0</b>	Oxilofrine (Hydroxyephedrine)	Stimulant	Lacks FDA approval
<b>S0</b>	Oxolamine	Antitussive	Lacks FDA approval
<b>S0</b>	Oxprenolol	Antihypertensive	Lacks FDA approval
<b>S0</b>	Oxycodone	Opioid analgesic	Oxycontin, Roxybond, Roxicodone, Oxaydo, Xtampza, Percocet, Percodan, Oxycet (with NSAID). DEA Schedule II.
<b>S1</b>	Oxyguno	Anabolic	Lacks FDA approval
<b>S1</b>	Oxymesterone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	Oxymetholone	Anabolic	Discontinued, no FDA-approved product commercially available. DEA Schedule III.
<b>S0</b>	Oxymorphone	Opioid analgesic	Generic. DEA Schedule II.
<b>S0</b>	Oxypertine	Antipsychotic	Lacks FDA approval
<b>S0</b>	Oxyphencyclimine	Anticholinergic	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Oxyphenonium	Anticholinergic	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Paliperidone	Antipsychotic	Invega
<b>S0</b>	Palmitoylethanolamid	Anti-inflammatory	Lacks FDA approval



HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S6</b>	Pamidronate	Bisphosphonate	Generic
<b>S0(x)</b>	Papaverine	Vasodilator	Plant alkaloid
<b>S0</b>	Paraldehyde	Anticonvulsant	Lacks FDA approval. DEA Schedule IV.
<b>S0</b>	Paramethadione	Anticonvulsant	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Paramethasone	Corticosteroid	Discontinued, no FDA-approved product commercially available
<b>S0(x)</b>	Paraxanthine (Paraxanthine is a metabolite of caffeine. If there is credible evidence that the presence of paraxanthine in a horse's sample is the consequence of exposure to caffeine, the classification of paraxanthine may be revised to S7(B).)	Stimulant	Lacks FDA approval
<b>S0</b>	Parecoxib	NSAID	Lacks FDA approval
<b>S0</b>	Pargyline	Antihypertensive	Discontinued, no FDA-approved product commercially available.
<b>S0</b>	Paroxetine	Antidepressant	Paxil
<b>S2</b>	Pegepoinetin	Erythropoiesis	Micera
<b>S2</b>	Peginesatide	Erythropoiesis	Discontinued, no FDA-approved product commercially available.

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S0</b>	Pemoline (Pemoline is a metabolite of aminorex, which is a metabolite of levamisole. If there is credible evidence that the detection of pemoline in a horse's sample is the consequence of exposure to levamisole, the classification of pemoline may be revised to S7(B).)	Stimulant	Discontinued, no FDA-approved product commercially available. DEA Schedule IV.
<b>S0</b>	Pempidine	Ganglion blocker / antihypertensive	Lacks FDA approval
<b>S0</b>	Penbutolol	Antihypertensive	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Penfluridol	Antipsychotic	Lacks FDA approval
<b>S0</b>	Pentaerythritol tetranitrate	Vasodilator	Lacks FDA approval
<b>S0</b>	Pentetrazol	Stimulant	Lacks FDA approval
<b>S0</b>	Pentifylline	Vasodilator	Lacks FDA approval
<b>S0</b>	Pentylene tetrazol	Stimulant	Lacks FDA approval
<b>S2</b>	Perfluorodecahydronophthalene	Oxygen transfer	Lacks FDA approval
<b>S0</b>	Perfluorodecalin (Octadecafluoronaphthalene)	Oxygen transport	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S2	Perfluorooctyl bromide	Oxygen transfer	Discontinued, no FDA-approved product commercially available.
S2	Perfluorotripropylamine	Oxygen transfer	Discontinued, no FDA-approved product commercially available
S0	Periciazine	Antipsychotic	Lacks FDA approval
S0	Perindopril	Antihypertensive	Generic, Prestalia (with amlodipine besylate)
S0	Perlazine	Sedative / Hypnotic	Lacks FDA approval
S0	Perphenazine	Antipsychotic	Generic
S0	Phenacemide	Anticonvulsant	Discontinued, no FDA-approved product commercially available
S0	Phenaglycodol	Sedative / Anxiolytic	Lacks FDA approval
S0	Phenazocine	Opioid analgesic	Lacks FDA approval. DEA Schedule II.
S0	Phenazone	NSAID	Lacks FDA approval
S0	Phencyclidine (PCP)	Dissociative hallucinogen	Lacks FDA approval. DEA Schedule I.
S0	Phendimetrazine	Stimulant	Bontril DEA Schedule III.
S0	Phenelzine	Antidepressant	Nardil
S0	Phenibut	Anxiolytic	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Phenindamine	Antihistamine	Lacks FDA approval
S0	Phenindione	Anticoagulant	Discontinued, no FDA-approved product commercially available
S0	Pheniramine	Antihistamine	Bromfed-DM (with dextromethorphan and pseudoephedrine)
S0	Phenmetrazine	Stimulant	Discontinued, no FDA-approved product commercially available
S0	Phenoxybenzamine	Antihypertensive	Dibenzyline
S0	Phenprocoumon	Anticoagulant	Discontinued, no FDA-approved product commercially available
S0	Phenpromethamine	Stimulant	Lacks FDA approval
S0	Phensuximide	Anticonvulsant	Discontinued, no FDA-approved product commercially available
S0	Phentermine	Stimulant	Adipex-P, Lomaira, Qsymia DEA Schedule IV.
S0	Phenylpiracetam (Carphedon)	Stimulant	Lacks FDA approval
S0	Phenylpropanolamine	Stimulant	Proin
S0	Phenyltoloxamine	Antihistamine	Lacks FDA approval
S0	Pholcodine	Opioid antitussive	Lacks FDA approval. DEA Schedule I.
S0	Pholedrine	Stimulant	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Picrotoxin	Stimulant	Lacks FDA approval
S0	Piminodine	Opioid analgesic	Lacks FDA approval. DEA Schedule II.
S1	Pimobendan	Cardiac stimulant	Vetmedin
S0	Pimozide	Antipsychotic	Generic
S0	Pinazepam	Anxiolytic	Lacks FDA approval. DEA Schedule IV.
S0	Pinazepam	Sedative / Anxiolytic	Lacks FDA approval
S0	Pindolol	Antihypertensive	Generic
S0	Pipamazine	Anti-emetic	Lacks FDA approval
S0	Pipamperone	Antipsychotic	Lacks FDA approval
S0	Pipecuronium	Muscle relaxant	Discontinued, no FDA-approved product commercially available
S0	Pipequaline	Anxiolytic	Lacks FDA approval
S0	Piper Methysticum (Kava)	Anxiolytic / Anti-inflammatory	Lacks FDA approval
S0	Piperacetazine	Antipsychotic	Lacks FDA approval
S0	Piperidione	Sedative	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Piperidolate	Antispasmodic	Lacks FDA approval
S0	Piperocaine	Local anesthetic	Lacks FDA approval
S0	Piperoxan	Antihistamine / Antihypertensive	Lacks FDA approval
S0	Pipotiazine	Antipsychotic	Lacks FDA approval
S0	Pipradrol	Stimulant	Lacks FDA approval
S0	Piquindone	Antipsychotic	Lacks FDA approval
S0	Piracetam	Stimulant	Lacks FDA approval
S0	Pirbuterol	Beta-2 agonist-bronchodilator	Discontinued, no FDA-approved product commercially available
S0	Pirenzepine	Anticholinergic	Lacks FDA approval
S5	Piretanide	Diuretic	Lacks FDA approval
S0	Piritramide	Synthetic opioid analgesic	Lacks FDA approval
S0	Pirprofen	NSAID	Lacks FDA approval
S6	Pitcher Plant Extract	Analgesic	Sarapin
S0	Pizotifen (Pizotyline)	Antimigraine	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S2	Platelet-Derived Growth Factor (PDGF)	Growth Hormone	
S5	Polythiazide	Diuretic	Discontinued, no FDA-approved product commercially available
S0	Practolol	Antiarrhythmic	Lacks FDA approval
S2	Pralmorelin	Growth Hormone	Lacks FDA approval
S1	Prasterone (Dehydroepiandrosterone, DHEA, 3βhydroxyandrost-5-en17-one)	Anabolic	Intrarosa
S0	Prazepam	Sedative / Anxiolytic	Discontinued, no FDA-approved product commercially available. DEA Schedule IV.
S0	Prazosin	Antihypertensive	Minipress
S0	Prenylamine	Vasodilator	Lacks FDA approval
S0	Pridinol	Anticholinergic	Lacks FDA approval
S0	Prifinium Bromide	Antispasmodic	Lacks FDA approval
S5	Probenecid	Anti-gout	Probalan
S0	Procarbazine	Anti-neoplastic	Matulane
S3	Procaterol	Beta-2 agonist-bronchodilator	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Prochlorperazine	Anti-nausea	Compro, Procomp, Compazine
S0	Procyclidine	Anticholinergic	Discontinued, no FDA-approved product commercially available
S0	Proglumide	Anti-ulcer	Lacks FDA approval
S0	Pronethalol	Antiarrhythmic	Lacks FDA approval
S0	Propallylonal	Sedative / Hypnotic	Lacks FDA approval
S0	Propanidid	Anesthetic	Lacks FDA approval
S0	Propantheline	Anticholinergic	Discontinued, no FDA-approved product commercially available
S0	Propentophylline (Propentofylline)	Phosphodiesterase inhibitor	Lacks FDA approval
S0	Propiomazine	Antipsychotic	Discontinued, no FDA-approved product commercially available
S0	Propionylpromazine	Sedative	Lacks FDA approval
S0	Propiram	Opioid analgesic	Lacks FDA approval. DEA Schedule I.
S0	Propoxycaine	Local anesthetic	Discontinued, no FDA-approved product commercially available
S0	Propoxyphene	Opioid analgesic	Discontinued, no FDA-approved product commercially available
S0	Propylhexedrine	Stimulant	Benzedrex



HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Propyphenazone	NSAID	Lacks FDA approval
S0	Proquazone	NSAID	Lacks FDA approval
S1	Prostanazol	Anabolic	Lacks FDA approval. DEA Schedule III.
S0	Prothipendyl	Anxiolytic / Antihistamine	Lacks FDA approval
S0	Protokylol	Bronchodilator	Discontinued, no FDA-approved product commercially available
S0	Protriptyline	Antidepressant	Generic
S0	Proxibarbital	Sedative / Anxiolytic	Lacks FDA approval
S0	Proxyphylline	Bronchodilator	Lacks FDA approval
S0	Psilocin (Psilocyn)	Hallucinogen	Lacks FDA approval. DEA Schedule I.
S0	Pyrithyldione	Sedative / Hypnotic	Lacks FDA approval
S0	Pyrrobutamine	Antihistamine	Lacks FDA approval
S0	Quazepam	Sedative	Doral DEA Schedule IV.
S0	Quetiapine	Antipsychotic	Lacks FDA approval
S0	Quinapril, Quinaprilat	Antihypertensive	Accuretic

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S1	Quinbolone	Anabolic	Lacks FDA approval
S5	Quinethazone	Diuretic	Discontinued, no FDA-approved product commercially available
S0	Quinisocaine	Local anesthetic	Lacks FDA approval
S0	Racemethorphan	Anti-Alzheimers	Lacks FDA approval. DEA Schedule II.
S0	Racemorphan	Opioid agonist	Lacks FDA approval. DEA Schedule II.
S0	Raclopride	Antipsychotic	Lacks FDA approval
S1(x)	Ractopamine	Anabolic	Paylean, Optaflexx, Topmax
S4	Raloxifene	Selective Estrogen Receptor Modulator (SERM)	Evista
S4	Ramatercept (ACE-031)	Myostatin inhibitor	Lacks FDA approval
S0	Ramifenazone (Isopyrin)	NSAID	Lacks FDA approval
S0	Ramipril, Metabolite Ramiprilat	Antihypertensive	Altace
S0	Regadenoson	Cardiac stimulant	Lexiscan
S0	Remifentanil	Synthetic opioid analgesic	Ultiva DEA Schedule II.
S0	Remimazolam	Anesthetic	Byfavo DEA schedule IV.

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Remoxipride	Antipsychotic	Lacks FDA approval
S3	Reproterol	Beta-2 agonist-bronchodilator	Lacks FDA approval
S0	Rilmazafone	Sedative / Hypnotic	Lacks FDA approval
S3	Rimiterol	Beta-2 agonist-bronchodilator	Lacks FDA approval
S6	Risedronate	Bisphosphonate	Actonel
S0	Risperidone	Antipsychotic	Perseris Kit, Risperdal Consta, Risperdal
S0	Ritanserlin	Antidepressant	Lacks FDA approval
S3	Ritodrine	Beta-2 agonist	Lacks FDA approval
S0	Rivastigmine	Cholinesterase Inhibitor	Exelon
S0	Rizatriptan	Selective Serotonin Receptor Agonist	Maxalt
S0	Rofecoxib	NSAID	Discontinued, no FDA-approved product commercially available
S2	Roxadustat (FG-4592)	Erythropoiesis	Lacks FDA approval
S0	Salicylamide	Analgesic	Lacks FDA approval
S1	SARM YK-11	Anabolic	Lacks FDA approval

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S0</b>	Selegiline	Antidepressant	Emsam, Zelapar
<b>S2</b>	Sermorelin	Growth Hormone	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Sertraline	Antidepressant	Zoloft
<b>S0</b>	Sibutramine	Stimulant	Discontinued, no FDA-approved product commercially available. DEA Schedule IV
<b>S0</b>	Sildenafil	Phosphodiesterase inhibitor	Viagra
<b>S6</b>	Snake Venoms	Neurotoxin	Lacks FDA approval
<b>S2</b>	Somatrem	Growth Hormone	Protropin
<b>S2</b>	Somatrogon	Growth Hormone	Lacks FDA approval
<b>S2</b>	Somatropin	Growth Hormone	Lacks FDA approval
<b>S2</b>	Sotatercept	Growth Hormone	Lacks FDA approval
<b>S0(x)</b>	Sparteine	Antiarrhythmic	Lacks FDA approval
<b>S0</b>	Spiperone	Antipsychotic	Lacks FDA approval
<b>S0</b>	Spirapril (Metabolite: Spiraprilat)	Antihypertensive	Discontinued, no FDA-approved product commercially available
<b>S5</b>	Spironalactone	Diuretic	Aldactazide, Caarospir, Aldactone

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S4</b>	Stamulumab (Myo-29)	Myostatin inhibitor	Lacks FDA approval
<b>S1</b>	Stanozolol	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S1</b>	Stenbolone	Anabolic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	Strychnine	CNS stimulant	Lacks FDA approval. (Has anetodal use as constituent of unregulated appetite stimulants and leg paints. Extreme caution is advised when using these products.)
<b>S0</b>	Styramate	Muscle relaxant	Lacks FDA approval
<b>S0</b>	Sufentanil	Opioid analgesic	Sufenta, Dsuvia DEA Schedule II.
<b>S0</b>	Sulfondiethylmethane	Sedative / Hypnotic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	Sulfonmethane	Sedative / Hypnotic	Lacks FDA approval. DEA Schedule III.
<b>S0</b>	Sulforidazine	Antipsychotic	Lacks FDA approval
<b>S0</b>	Sulindac	NSAID	Generic
<b>S0</b>	Sulpiride	Antipsychotic	Lacks FDA approval
<b>S0</b>	Sultopride	Antipsychotic	Lacks FDA approval
<b>S0</b>	Sumatriptan	Selective Serotonin Receptor Agonist	Imitrex, Treximet [with Naproxen]

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S0</b>	Suxibuzone	NSAID	Lacks FDA approval
<b>S0(x)</b>	Syneprine	Stimulant	Lacks FDA approval
<b>S4</b>	T3 (Triiodothyronine)	Metabolic hormone	Lacks FDA approval
<b>S4</b>	T4 (Tetraiodothyronine / Thyroxine)	Metabolic hormone	Thyro-Tabs Canine, Thyrokare
<b>S2</b>	Tabimorelin	Growth Hormone	Lacks FDA approval
<b>S0</b>	Tadalafil	Phosphodiesterase inhibitor	Cialis
<b>S0</b>	Talbutal	CNS depressant	Discontinued, no FDA-approved product commercially available. DEA Schedule III.
<b>S4</b>	Tamoxifen	Selective Estrogen Receptor Modulator (SERM)	Soltamox
<b>S0</b>	Tandospirone	Anxiolytic	Lacks FDA approval
<b>S0</b>	Tapentadol	Opioid analgesic	Nucynta DEA Schedule II.
<b>S0</b>	Telmisartan	Antihypertensive	Micardis
<b>S0</b>	Tenoxicam	NSAID	Lacks FDA approval
<b>S0</b>	Terazosin	Antihypertensive	Generic
<b>S3</b>	Terbutaline	Bronchodilator	Brethine

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Terfenadine	Antihistamine	Lacks FDA approval
S2	Tesamorelin	Growth Hormone	Egrifta
S4	Testolactone	Aromatase inhibitor	Teslac DEA Schedule III
S2	Testolone	Selective Androgen Receptor Modulator (SARM)	Lacks FDA approval
S1	*Testosterone Fillies and mares unless in foal	Anabolic	Androderm, Testm, Vogelxo, Testopel, Aveed, Kyzatrex, Jatenzo, Xyosted DEA Schedule III.
S1	**Testosterone Geldings	Anabolic	Androderm, Testm, Vogelxo, Testopel, Aveed, Kyzatrex, Jatenzo, Xyosted. DEA Schedule III.
S0	Tetrabenazine (Deutetrabenazine)	Neurotransmitter modulator	Xenazine, Austedo
S1	Tetrahydrogestrinone	Anabolic	Lacks FDA approval. DEA Schedule III.
S0	Tetrazepam	Anxiolytic	Lacks FDA approval. DEA Schedule IV.
S1	Tetrahydrocannabinol (THC)	Psychoactive	Lacks FDA approval. DEA Schedule I.
S0(x)	Thebaine	Opioid analgesic	Lacks FDA approval. DEA Schedule II.
S0	Thialbarbital	Sedative / Hypnotic	Lacks FDA approval

\*Threshold: 55 ng/mL total (free and conjugated) testosterone in urine OR 0.1 n/mL free testosterone in serum or plasma

\*\*Threshold: 20 ng/mL total (free and conjugated) testosterone in urine OR 0.1 ng/mL free testosterone in serum or plasma

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Thiethylperazine	Antipsychotic	Discontinued, no FDA-approved product commercially available
S0	Thiopropazate	Antipsychotic	Lacks FDA approval
S0	Thiopropazine	Antipsychotic	Lacks FDA approval
S0	Thioridazine	Antipsychotic	Generic
S0	Thiothixene	Antipsychotic	Generic
S0	Thiphenamil (Tifenamil)	Antispasmodic / Local anesthetic	Lacks FDA approval
S0	Thonzylamine	Antihistamine / anticholinergic	Lacks FDA approval
S0	Thozalinone	Antidepressant	Lacks FDA approval
S2	Thymosin	Peptide hormone	Lacks FDA approval
S0	Tiapride	Antipsychotic	Lacks FDA approval
S0	Tiaprofenic acid	NSAID	Lacks FDA approval
S1	Tibolone	Anabolic	Lacks FDA approval
S6	Tildronate (Tiludronic Acid)	Bisphosphonate	Tildren
S0	Timiperone	Antipsychotic	Lacks FDA approval



HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S3</b>	Timolol	Antihypertensive	Istalol, Betimol, Timoptic
<b>S0</b>	Tocainide	Antiarrhythmic	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Tofenacin	Antidepressant	Lacks FDA approval
<b>S0</b>	Tofisopam	Anxiolytic	Lacks FDA approval
<b>S0</b>	Tolfenamic Acid	NSAID	Lacks FDA approval
<b>S0</b>	Tolmetin	NSAID	Discontinued, no FDA-approved product commercially available
<b>S5</b>	Tolvaptan	Diuretic	Jynarque, Samsca
<b>S0</b>	Tolycaine	Local anesthetic	Lacks FDA approval
<b>S0</b>	Topiramate	Anticonvulsant	Topamax, Qsymia (with phentermine hydrochloride)
<b>S4</b>	Toremifene	Selective Estrogen Receptor Modulator (SERM)	Fareston
<b>S5</b>	Torsemide (Torasemide)	Diuretic	Soanz
<b>S0</b>	Tramazoline	Sympathomimetic	Lacks FDA approval
<b>S0</b>	Trandolapril (and Metabolite, Trandolaprilat)	Antihypertensive	Generic
<b>S0</b>	Tranlycypromine	Antidepressant	Parnate

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S0</b>	Trazodone	Antidepressant	Generic
<b>S1</b>	Trenbolone (Trendione)	Anabolic	Finaplix, Revalor, Synovex (with Estradiol), Component (with Estradiol and Tylosin) DEA Schedule III.
<b>S1</b>	Trendione	Anabolic	Lacks FDA approval
<b>S0</b>	Trestolone	Anabolic	Lacks FDA approval
<b>S3</b>	Tretoquinol (Trimetoquinol)	Beta-2 agonist-bronchodilator	Lacks FDA approval
<b>S5</b>	Triamterene	Diuretic	Dyrenium
<b>S0</b>	Triazolam	CNS depressant	Halcion DEA Schedule IV.
<b>S0</b>	Tribromoethanol	Anesthetic	Lacks FDA approval
<b>S0</b>	Tricaine methanesulfonate	Anesthetic	Syncaine
<b>S0</b>	Trichloroethanol	Sedative / Hypnotic	Lacks FDA approval
<b>S0</b>	Trichloroethylene	Anesthetic	Lacks FDA approval
<b>S0</b>	Triclofos	Sedative	Discontinued, no FDA-approved product commercially available
<b>S0</b>	Tridihexethyl	Anticholinergic	No FDA-approved product
<b>S0</b>	Triflumeprazine	Sedative	Lacks FDA approval

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Trifluoperazine	Antipsychotic	Generic
S0	Trifluoromethylphenyl piperazine	Stimulant	Lacks FDA approval
S0	Trifluoperidol	Antipsychotic	Lacks FDA approval
S0	Triflupromazine	Antipsychotic	Discontinued, no FDA-approved product commercially available
S0	Triflupromazine	Antipsychotic	Discontinued, no FDA-approved product commercially available
S0	Trihexyphenidyl	Anticholinergic	Discontinued, no FDA-approved product commercially available
S0	Trimecaine	Local anesthetic	Lacks FDA approval
S0	Trimeprazine (Alimemazine)	Antihistamine	Temaril-P [with Prednisolone]
S4	Trimetazidine	Angina treatment	Lacks FDA approval
S0	Trimethadione	Anticonvulsant	Discontinued, no FDA-approved product commercially available
S0	Trimethaphan	Antihypertensive / Anesthetic	Discontinued, no FDA-approved product commercially available
S0	Trimipramine	Antidepressant	Generic
S0	Triprolidine	Antihistamine	Triacin-C (with codeine phosphate and pseudoephedrine hydrochloride)
S2	Triptorelin	Reproductive hormone modulator	Triptodur, Trelstar

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Trometamol (Tris hydroxymethylaminomethane [THAM])	Alkalinizing agent	Discontinued, no FDA-approved product is commercially available
S0	Tuaminoheptane	Stimulant	Lacks FDA approval
S0	Tubocurarine (Curare)	Muscle relaxant	Plant alkaloid Discontinued, no FDA-approved product commercially available
S3	Tulobuterol	Beta-2 agonist-bronchodilator	Lacks FDA approval
S0	Tybamate	Anxiolytic	Lacks FDA approval
S0	Valdecoxib	NSAID	Discontinued, no FDA-approved product commercially available
S0	Valnoctamide	Sedative / Hypnotic	Lacks FDA approval
S0	Valproate Sodium	Anticonvulsant	Discontinued, no FDA-approved product commercially available
S0	Valsartan	Antihypertensive	Diovan, Entresto (with sacubitril)
S0	Vardenafil	Phosphodiesterase inhibitor	Levitra
S2	Vascular-Endothelial Growth Factor (VEGF)	Growth Hormone	
S0	Vedaprofen	NSAID	Lacks FDA approval
S0	Venlafaxine	Antidepressant	Pristiq

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
S0	Veralipride	Antipsychotic	Lacks FDA approval
S0	Verapamil	Antihypertensive	Verelan, Calan
S3	Vilanterol	Beta-2 agonist-bronchodilator	Trelegy, Ellipta
S0	Viloxazine	Antidepressant	Qelbree
S0	Vinbarbital	Hypnotic	Lacks FDA approval. DEA Schedule III.
S0	Vinylbital	Sedative / Hypnotic	Lacks FDA approval
S2	Xenon	Hypoxia Inducible Factor activating agent	
S5	Xipamide	Diuretic	Lacks FDA approval
S0	Xylometazoline	Stimulant	Afrin, Vicks Sinex
S0	Zafirlukast	Asthma prevention	Accolate
S0	Zaleplon	CNS depressant	Sonata DEA Schedule IV.
S1	Zeranol	Anabolic	Ralgro
S6	Ziconotide	Neurotoxin	Prialt
S0	Zileuton	Asthma prevention	Zyflo

**BANNED**

HISA STATUS / SS <sup>1</sup>	SUBSTANCE	ACTION	COMMERCIAL / DEVELOPMENTAL NAME(S) WHERE AVAILABLE
<b>S1(x)</b>	Zilpaterol hydrochloride	Anabolic	Zilmax, Heifermax
<b>S0</b>	Zimeldine	Antidepressant	Lacks FDA approval
<b>S0</b>	Ziprasidone	Antipsychotic	Geodon
<b>S6</b>	Zoledronic acid	Bisphosphonate	Reclast
<b>S0</b>	Zolmitriptan	Selective Serotonin Receptor Agonist	Zomig
<b>S0</b>	Zolpidem	Sedative / Hypnotic	Ambien DEA Schedule IV.
<b>S0</b>	Zomepirac	Anticonvulsant	Lacks FDA approval
<b>S0</b>	Zonisamide	Anticonvulsant	Zonegran
<b>S0</b>	Zopiclone	Sedative / Hypnotic	Lunesta DEA Schedule IV.
<b>S0</b>	Zotepine	Antipsychotic	Lacks FDA approval
<b>S0</b>	Zuclopenthixol	Antipsychotic	Lacks FDA approval