

SARMs in Dietary Supplements and Other Products

Selective androgen receptor modulators (SARMs) are unapproved drugs, yet they're readily available online both as ingredients in dietary supplement products and as research chemicals. Many websites market these unapproved products for as being for "research only" and "not for human use" but describe them with language clearly targeting use for bodybuilding and other performance-enhancing effects. However, [according to FDA](#), "Body-building products that contain selective androgen receptor modulators, or SARMs, have not been approved by the FDA and are associated with serious safety concerns, including potential to increase the risk of heart attack or stroke and life threatening reactions like liver damage." SARMs are synthetic drugs, which means they are not legal for use in dietary supplements, and they're prohibited for use in sport.

This list of SARMs, along with various names we have seen associated with them on labels and web pages, will help you recognize these unapproved drugs when you see them on labels and website pages. **All of the substances listed here are on the [DoD Prohibited Dietary Supplements Ingredients list](#)**, either specifically named or covered under SARMS in general.

SARMs

AC-262536

- 4-(3-hydroxy-8-azabicyclo[3.2.1]octan-8-yl)naphthalene-1-carbonitrile
- AC-262356
- AC-262,356
- AC-262,536
- Accadrine

ACP-105

- 2-chloro-4-[(1R,5R)-3-hydroxy-3-methyl-8-azabicyclo[3.2.1]octan-8-yl]-3-methylbenzonitrile
- 2-chloro-4-[(1R,5S)-3-hydroxy-3-methyl-8-azabicyclo[3.2.1]octan-8-yl]-3-methylbenzonitrile
- Acadibol
- ACP 105

LGD-2226

- 6-(bis-(2,2,2-trifluoroethyl)amino)-4-trifluoromethyl-1H-quinolin-2-one
- LGD2226

LGD-3303

- 7H-pyrrolo(3,2-F)quinolin-7-one, 9-chloro-2-ethyl-3,6-dihydro-1-methyl-3-(2,2,2-trifluoroethyl)-
- 9-chloro-2-ethyl-1-methyl-3-(2,2,2-trifluoroethyl)-3,6-dihydro-7H-pyrrolo[3,2-f]quinolin-7-one
- 9-chloro-2-ethyl-1-methyl-3-(2,2,2-trifluoroethyl)-3H-pyrrolo[3,2-f]quinolin-7(6H)-one
- 9-chloro-2-ethyl-1-methyl-3-(2,2,2-trifluoroethyl)-6H-pyrrolo[3,2-f]quinolin-7-one
- LG-3
- LG3

- LGD 3033
- LGD3303

LGD-4033

- 4-((R)-2-((R)-2,2,2-trifluoro-1-hydroxyethyl)pyrrolidin-1-yl)-2-(trifluoromethyl)benzonitrile
- 4-[(2R)-w-[(1R)-2,2,2-trifluoro-1-hydroxyethyl]pyrrolidin-1-yl]-2-(trifluoromethyl)benzonitrile
- 4-i(R)-2-((R)-2,2,2-trifluoro-1-hydroxyethyl)pyrrolidindin-2-trifluoroMethyl benzonitrile
- Anabolicum
- LGD4033
- Ligandrol
- VK-5211
- VK5211

MK-2866

- (2S)-3-(4-cyanophenoxy)-N-(4-cyano-3-(trifluoromethyl)phenyl)-2-hydroxy-2-methylpropanamide
- (S)-Ostarine
- 2-[[2-(diethylamino)acetyl]amino]-4-methyl-5-(2-methylsulfanylethyl)-1H-pyrrole-3-carboxamide
- 3-(4-cyanophenoxy)-N-[4-cyano-3-(trifluoromethyl)phenyl]-2-hydroxy-2-methylpropanamide
- enobosarm
- GTx 024
- GTx-024
- GTx024
- MK-2866 ester
 - » 5-(1H-pyrazol-5-yl)-1-[2-[4-(trifluoromethoxy)phenoxy]ethyl]indole-2-carboxylic acid
 - » MK2866 acetate

- » MK2866 acetate ester
- » MK2866 acetic acid ester
- » Ostarine acetate ester
- » Ostarine acetic acid ester
- » Ostarine-O-Acetate
- » Ostarinyl acetate
- » OTR-AC
- MK2866
- Ostarine
- propanamide, 3-(4-cyanophenoxy)-N-(4-cyano-3-(trifluoromethyl)phenyl)-2-hydroxy-2-methyl-, (2S)-
- S-22
- S22
- SARM S-22

RAD-140

- 2-[4-chlorobutyl(methyl)amino]-N-(2,6-dimethylphenyl)acetamide
- 2-chloro-4-((1R,2S)-1-(5-(4-cyanophenyl)-1,3,4-oxadiazol-2-yl)-2-hydroxypropylamino)-3-methylbenzotrile
- 2-Chloro-4-((1-[5-(4-cyanophenyl)-1,3,4-oxadiazol-2-yl]-2-hydroxypropyl)amino)-3-methylbenzotrile
- RAD140
- Radarine
- Testolone
- vosilasarm

RAD-150

- (2S,3R)-3-[(4-cyanophenyl)-1,3,4-oxadiazol-2-yl]-3-[(2-methyl-3-chloro-4-cyanophenyl)amino]-2-propyl alcohol
- 2-[5-chloropentyl(methyl)amino]-N-(2,6-dimethylphenyl)acetamide
- N-(5-chloropentyl)-N-methylaminoaceto-2,6-xylidide
- Teptadrol
- TLB 150
- TLB 150 benzoate (2S,3R)-3-[(cyanophenyl)-1,3,4-oxadiazol-2-yl]-3-[(2-methyl-3-chloro-4-cyanophenyl)amino]-2-propyl alcohol benzoate

S-23

- (2S)-3-(4-chloro-3-fluorophenoxy)-N-(4-cyano-3-(trifluoromethyl)phenyl)-2-hydroxy-2-methylpropanamide
- (2S)-N-(4-cyano-3-trifluoromethylphenyl)-3-(3-fluoro-4-chlorophenoxy)-2-hydroxy-2-methyl-propanamide
- (S)-N-(4-cyano-3-fluoro, 4-chlorophenoxy)-2-hydroxy-2-methyl-propanamide
- (S)-N-(4-cyano-3-trifluoromethyl-phenyl)-3-(3-fluoro, 4-chlorophenoxy)-2-hydroxy-2-methyl-propanamide
- 1-phenyl-6,7-dimethoxy-1,2,3,4-tetrahydroisoquinoline
- 1-phenyl-6,7-dimethoxy-1,2,3,4-tetrahydroisoquinoline hydrochloride
- 1-phenyl-6,7-dimethoxy-1,2,3,4-tetrahydroisoquinoline hydrochloride, (+)-isomer

- 3-(4-cyanophenoxy)-N-(4-cyano-3-trifluoromethylphenyl)-2-hydroxy-2-methylpropanamide
- 6,7-dimethoxy-4-phenyl-1,2,3,4-tetrahydroisoquinoline
- CCTH-methylpropanamide
- propanamide, 3-(4-chloro-3-fluorophenoxy)-N-(4-cyano-3-(trifluoromethyl)phenyl)-2-hydroxy-2-methyl-, (2S)-
- S 23
- S23

S-40503

- 2-quinolineethanol, 4-(dimethylamino)-1,2,3,4-tetrahydro-β,β-dimethyl-6-nitro-
- 2-quinolineethanol, 4-(dimethylamino)-1,2,3,4-tetrahydro-beta,beta-dimethyl-6-nitro-
- 2-(4-(dimethylamino)-6-nitro-1,2,3,4-tetrahydroquinolin-2-yl)-2-methylpropan-1-ol

S-4

- (2S)-3-(4-acetamidophenoxy)-2-hydroxy-2-methyl-N-[4-nitro-3-(trifluoromethyl)phenyl]propanamide
- 3-(4-acetyl-amino-phenoxy)-2-hydroxy-2-methyl-N-(4-nitro-3-trifluoromethylphenyl)propionamide
- 3-(4-acetylaminophenoxy)-2-hydroxy-2-methyl-N-(4-nitro-3-trifluoromethylphenyl)-propionamide
- acetamidoxolutamide
- andarine
- Andarine-S4
- androxolutamide
- GTx 007
- GTX-007
- GTX-007
- propanamide, 3-(4-(acetyl-amino)phenoxy)-2-hydroxy-2-methyl-N-(4-nitro-3-(trifluoromethyl)phenyl)-, (2S)-
- S-3-(4-acetylaminophenoxy)-2-hydroxy-2-methyl-N-(4-nitro-3-trifluoromethylpheanyl)propionamide
- S-4
- S-4 cpd
- S4
- SARM S-4
- Tetrathietane

YK-11

- (17-α,20E)-17,20-[(1-methoxyethylidene)bis(oxy)]-3-oxo-19-norpregna-4,20-diene-21-carboxylic acid methyl ester
- (17-α,20E)-17,20-[(1-methoxyethylidene)bis(oxy)]-3-oxo-19-norpregna-4,20-diene-21-carboxylic acid methyl ester
- (17,20E)-17,20-[(1-methoxyethylidene)bis(bis)]-3-oxo-19-norpregna-4,20-diene-21-carboxylic acid methyl ester
- (17a,20E)-17,20-[(1-methoxyethylidene)bis(oxy)]-3-oxo-19-norpregna-4,20-diene-21-carboxylic acid methyl ester
- (17x,20E)-[(1-methoxyethylidene)bix(oxy)]-3-oxo-19-norpregna-4,20-diene-21-carboxylic acid methyl ester

- 17,20-[(1-methoxyethylidene)bis(oxy)] 3-oxo-19-norpregna-4,20-diene 21-carboxylic acid methyl ester
- 17 α ,20E)-17,20-[(1-methoxyethylidene)bis(oxy)]-3-oxo-19-norpregna-4,20-diene- 21-carboxylic acid methyl ester
- 19-norpregna-4,20-diene-21-carboxylic acid, 17,20-((1-methoxyethylidene)bis(oxy))-3-oxo-, methyl ester, (17 α ,20E)-
- Methyl (2E)-2-[(8R,9S,10R,13S,14S,17S)-2'-methoxy-2',13-dimethyl-3-oxospiro[1,2,6,7,8,9,10,11,12,14,15,16-dodecahydrocyclopenta[a]phenanthrene-17,5'-1,3-dioxolane]-4'-ylidene]acetate
- methyl(2E)-2-[(8R,9S,10R,13S,14S,17R)-2'-methoxy-2',13-dimethyl-3-OxSpiro[1,2,6,7,8,9,10,11,12,14,15,16-dodecahydrocyclopenta[
- Myostine
- YK 11
- YK-11-OA
- YK-500
- YK11
- YK11 cpd

Other unapproved drugs sometimes confused with SARMs

A number of other experimental, unapproved drugs are sometimes marketed as SARMs or on web pages alongside with SARMs. In some cases, they are included as ingredients in "SARMs stacks" along with one or more SARMs. The result is that they are often confused with SARMs, so we provide the list below of the most common ones. Like SARMs, they are synthetic drugs, which means they are not legal for use in dietary supplements, and they're prohibited for use in sport. This list includes various names associated with them, to help you recognize these unapproved drugs when you see them on labels and website pages. As with SARMs, **all of the substances listed here are on the DoD Prohibited Dietary Supplements Ingredients list**, either specifically named or covered under unapproved drugs in general.

GW-501516*

- {4-[[[4-methyl-2-[4-(trifluoromethyl)phenyl]-1,3-thiazol-5-yl)methyl]sulfanyl]-2-methylphenoxy}acetic acid
- 2-(2-methyl-4-[[[4-methyl-2-(4-(trifluoromethyl)phenyl)thiazol-5-yl)methyl]thio]phenoxy)acetic acid
- 2-(4-[[[2-(4-(trifluoromethyl)phenyl)-5-methyl/-thiazol-4-yl)methyl]thio]-2-methylphenoxy)acetic acid
- Cardarine
- Endurobol
- GSK-516
- GW1516

GW0742

- {4-[[[2-[3-fluoro-4-(trifluoromethyl)phenyl]-4-methyl-1,3-thiazol-5-yl)methyl]sulfanyl]-2-methylphenoxy}acetic Acid
- 2-(4-[[[2-(3-fluoro-4-(trifluoromethyl)phenyl)-4-methylthiazol-5-yl)methyl]thio]-2-methylphenoxy)acetic acid
- GW 0742X
- GW610742

MK-677

- (R)-1-(2-methylalanyl)-benzyl-D-seryl)-1-(methylsulfonyl)-1,2-dihydrospiro[indole-3,4-piperidine]
- (R)-1'-(2-methylalanyl-O-benzyl-D-seryl)-1-(methylsulfonyl)-1,2-dihydrospiro[indole-3,4'-piperidine]
- (R)-2-amino-N-[2-(1,2-dihydro-1-(methylsulfonyl)[3H-indole-3,4,9-piperidin-19yl]-2-oxo-1-[(phenylmethoxy)-methyl]ethyl-2-methylpropanamide-monomethane sulfonate

- (R)1'(2methylalanylObenzylDseryl)1(methylsulfonyl)1,2dihydrospiro[indole3,4'piperidine]
- 2-amino-2-methyl-N-[1-(1-methylsulfonylspiro[2H-indole-3,4'-piperidine]-1'-yl)-1-oxo-3-phenylmethoxypropan-2-yl]propenamide
- Crescendo
- lbutamoren
- lbutamoren mesylate
- L-163,191
- mesylate lbutamoren
- MK-0677
- Nutrobal
- Oratropo

SR-9009

- 3-[[[4-chlorophenyl)methyl][[(5-nitro-2-thienyl)methyl]amino)methyl]-1-pyrrolidine-carboxylic acid ethyl ester
- ethyl-3-[[[4-chlorobenzyl][[(5-nitrothiophen-2-yl)methyl]amino)methyl]pyrrolidine-1-carboxylate
- Stenabolic

SR-9011

- -pyrrolidinecarboxamide, 3-(((4-chlorophenyl)methyl)[(5-nitro-2-thienyl)methyl]amino)methyl)-n-pentyl-
- 3-[[[4-chlorophenyl)methyl-[(5-nitrothiophen-2-yl)methyl]amino)methyl]-N-pentylpyrrolidine-1-carboxamide
- ethyl 3-[[[4-chlorophenyl)methyl-[(5-nitrothiophen-2-yl)methyl]amino)methyl]pyrrolidine-1-carboxylate

* **Note:** In 2013, the original developer discontinued GW501516 due to the discovery of severe toxic effects, and the World Anti-Doping Authority (WADA) issued an alert strongly warning against its use. Nevertheless, it is still widely available online.