

STERIODS



IsoSciences offers over 300 steroids including the largest selection of ^{13}C labeled internal standards available on the market today.

All steroids come with complete Certificate of Analysis, including a purity figure, NMR confirmation, mass spec identification and the isotope incorporation.

Labeled Internal Standards

Catalog #	^{13}C Labeled Steroids
9044	Androst-4-ene-3,17-dione- $[\text{}^{13}\text{C}_3]$
12998	Boldenone- $[\text{}^{13}\text{C}_3]$
15364	Cholesterol- $[\text{}^{13}\text{C}_5]$
10409	Cholesterol- $[\text{}^{13}\text{C}_3]$
S14465	Cortisol- $[\text{}^{13}\text{C}_3]$
S14466	Cortisone- $[\text{}^{13}\text{C}_3]$
S15407	Cortisone- $[\text{}^{13}\text{C}_3]$ -21-Sulfate
14317	Dehydroepiandrosterone- $[\text{}^{13}\text{C}_3]$
14242	Dehydroepiandrosterone- $[\text{}^{13}\text{C}_3]$ Sulfate Sodium Salt
14467	11-Deoxycorticosterone- $[\text{}^{13}\text{C}_3]$
14464	11-Deoxycortisol- $[\text{}^{13}\text{C}_3]$
6065	Dihydrotestosterone- $[\text{}^{13}\text{C}_3]$
14146	17 β -Estradiol- $[\text{}^{13}\text{C}_3]$ Undecanoate
9124	17 β -Estradiol- $[\text{}^{13}\text{C}_3]$
10311	Estrone, 3-methyl- $[\text{}^{13}\text{C}, \text{d}_3]$ Ether
9125	Estrone- $[\text{}^{13}\text{C}_3]$
15094	Exemestane- $[\text{}^{13}\text{C}_3]$

Catalog #	^{13}C Labeled Steroids
10157	16 α -Hydroxyestradiol- $[\text{}^{13}\text{C}_3]$
10156	16 α -Hydroxyestrone- $[\text{}^{13}\text{C}_3]$
11187	17 α -Hydroxypregnenolone- $[\text{}^{13}\text{C}_2, \text{d}_2]$
10333	17 α -Hydroxyprogesterone- $[\text{}^{13}\text{C}_3]$
6118	2-Methoxy- $[\text{}^{13}\text{C}, \text{d}_3]$ -Estradiol
6117	2-Methoxy- $[\text{}^{13}\text{C}, \text{d}_3]$ -Estrone
6114	4-Methoxy- $[\text{}^{13}\text{C}, \text{d}_3]$ -Estradiol
6113	4-Methoxy- $[\text{}^{13}\text{C}, \text{d}_3]$ -Estrone
14033	Prednisone- $[\text{}^{13}\text{C}_2, \text{d}_2]$
17058	Pregnanediol- $[\text{}^{13}\text{C}_5]$
16216	Pregnanediol- $[\text{}^{13}\text{C}_5]$ Glucuronide
10402	Pregnenolone- $[\text{}^{13}\text{C}_2, \text{d}_2]$
10403	Pregnenolone- $[\text{}^{13}\text{C}_2, \text{d}_2]$ Sulfate Sodium Salt
16178	Progesterone- $[\text{}^{13}\text{C}_5]$
10314	Progesterone- $[\text{}^{13}\text{C}_3]$
6066	Testosterone- $[\text{}^{13}\text{C}_3]$



Contact Us Today to learn more about our product offerings!



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STERIODS



IsoSciences is an innovator, specializing in the production of isotopically labeled internal standards for mass spec analysis. We have been a leading supplier in the market for stable isotope labeled reference compounds, advanced intermediates, final drug substances and metabolites for over 15 years.

Catalog #	Product Title
5093	Aldosterone-[d ₇]
S11214	Aldosterone-[d ₄]
14315	Allopregnanolone-[d ₆]
14472	Allotetrahydrocortisol-[d ₆]
15075	Allotetrahydrocortisone-[d ₄]
14473	Allotetrahydrocortisone-[d ₆]
14319	5β-Androstan-3α-ol-17-one-[d ₆]
14225	5α-Androstane-3α,17β-diol-[d ₃]
14323	5α-Androstane-3α,17β-diol-[d ₄]
14324	5α-Androstane-3α,17β-diol-17-sulfate-[d ₄]
14325	5α-Androstane-3α,17β-diol-3-sulfate-[d ₄]
14326	5α-Androstane-3β,17β-diol-[d ₃]
13006	Androstenediol-[d ₃] Glucuronide Sodium Salt
15033	Androstenediol-[d ₃]
14316	Androsterone-[d ₄]
11147	Androsterone-[d ₄] Glucuronide Sodium Salt
9196	Cholesterol-[d ₆]
15331	Cholesterol-[d ₇] Sulfate Sodium Salt
13035	Corticosterone-[d ₄]
7193	Cortisol-[d ₄]
15408	Cortisol-[d ₄]-21-sulfate sodium salt
8056	Cortisone-[d ₇]
16034	Cortisone-[d ₃]
17009	7-Dehydrocholesterol-[d ₇]
14318	Dehydroepiandrosterone-[d ₄]
5170	Dehydroepiandrosterone-[d ₆]
14036	Dehydroepiandrosterone-[d ₆] Glucuronide

Catalog #	Product Title
9180	Dehydroepiandrosterone-[d ₆] Sulfate Sodium Salt
9012	11-Deoxycortisol-[d ₆]
15063	21-Desoxycortisol-[d ₄]
15035	Dihydrotestosterone-[d ₄]
15007	Epiallopregnanolone-[d ₆]
S14039	Epiandrosterone-[2,2,4,4-d ₄]
14039	Epiandrosterone-[d ₄]
8120	17β-Estradiol-[16,16,17-d ₃]
16148	11-Hydroxyandrostenedione-[d ₄]
12999	4β-Hydroxycholesterol-[d ₄]
12042	4β-Hydroxycholesterol-[d ₆]
12997	4β-Hydroxycholesterol-[d ₇]
8066	18-Hydroxycorticosterone-[d ₄]
13338	18-Hydroxycortisol-[d ₄]
5101	6β-Hydroxycortisol-[d ₄]
14353	16α-Hydroxydehydroepiandrosterone-[d ₆]
14350	7α-Hydroxydehydroepiandrosterone-[d ₆]
14351	7β-Hydroxydehydroepiandrosterone-[d ₆]
14199	17-Hydroxyprogesterone-[d ₃]
16147	11-Hydroxytestosterone-[d ₄]
14479	6β-Hydroxytestosterone-[d ₄]
14355	16-Ketodehydroepiandrosterone-[d ₆]
14352	7-Ketodehydroepiandrosterone-[d ₆]
16144	11-Ketotestosterone-[d ₃]
15061	7-Oxo-Dehydroepiandrosterone-[d ₆] Sulfate Sodium Salt
16143	Pregnanediol-[d ₆]
14321	Pregnanetriol-[d ₆]

Order IsoSciences Top Selling Steroid Internal Standards Today!

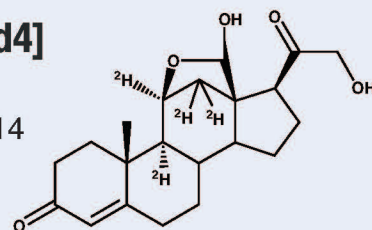
Catalog #	Product Title
14320	Pregnanolone-[d ₅]
15151	Pregnenolone-[d ₄]
14441	Progesterone-[d ₃]
14037	Testosterone-[d ₃]
S14322-1.0	Testosterone-[d ₃] Cypionate
S14018-1.0	Testosterone-[d ₃] Decanoate
S14038-0.1	Testosterone-[d ₃] Glucuronide
S14005-1.0	Testosterone-[d ₃] Heptanoate
S14006-1.0	Testosterone-[d ₃] Isocaproate
S14007-1.0	Testosterone-[d ₃] Phenylpropionate
S14008-1.0	Testosterone-[d ₃] Propionate
S14009-1.0	Testosterone-[d ₃] Undecanoate
3009	Testosterone-[d ₅]
S16199-1.0	Testosterone-[d ₉]
15272	Tetrahydro-11-deoxycortisol-[d ₅]
12182	3 α ,5 β -Tetrahydroaldosterone-[d ₆]
14999	Tetrahydrocorticosterone-[d ₅]
14468	Tetrahydrocortisol-[d ₅]
14469	Tetrahydrocortisone-[d ₅]
18005	5 α -Dihydroprogesterone-[13C5]
18006	20 α -Dihydroprogesterone-[13C5]
18110	Dehydroepiandrosterone-[d6]-3-o-glucuronide
18111	Cortisol-[d4]-21-glucuronide

ANALYTICAL CAPABILITIES

- **PURITY**
Access by HPLC, ELSD or GC
- **STRUCTURAL**
Determination by ¹H and ¹³C NMR
- **ISOTOPE INCORPORATION**
Calculated by LC-MS/MS, LC-MS or GC-MS

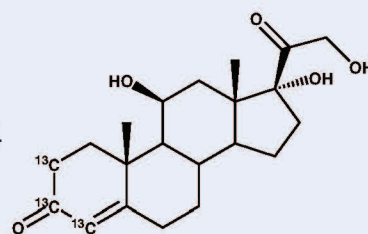
Aldosterone-[d4] (Solution)

Catalog #: S11214



Cortisol-[¹³C₃] (Solution)

Catalog #: S11214



*IsoSciences has an expert team of talented synthetic chemists that can prepare any novel steroid...even steroids not shown on product list...**Contact Us Today!***





Competitive Advantages

1. INCREASED TESTING ACCURACY:

When shifting to ^{13}C and ^{15}N isotopes, customers are assured a superior internal standard that co-elutes with the analyte. The isotopes are placed in non-exchangeable positions and in desired molecular fragments to ensure the internal standard allows for accurate measurements.

2. CORRECTS FOR SAMPLE VARIATION:

Why co-elute? An internal standard is used to correct for injection to injection variation. The internal standard is unable to correct for ion suppression and matrix effects without co-elution.

3. COMPLETE CERTIFICATE OF ANALYSIS:

A complete Certificate of Analysis is issued with every compound. This includes structural identity by ^1H -NMR and ^{13}C -NMR, purity assessment by HPLC-UV, GC-FID or HPLC-ELSD and isotope incorporation by LC-MS or GC-MS

4. HIGH PURITY:

IsoSciences compounds routinely analyze over 98% pure and 98% isotope incorporation with no unlabeled material detected.



Frequently Asked Questions

Q Do I need an internal standard?

A If the lab is running mass spec for quantification (when obtaining a patient value) internal standards are needed to provide confidence in the result.

Q What is the difference between ^{13}C , ^{15}N and deuterated internal standards?

A ^{13}C and ^{15}N labeled internal standards allow for more confidence in the results as they can act as a true internal standard. Deuterated internal standards could perform equally as well; however, additional testing must be performed to ensure co-elution and that no loss of deuterium occurs.

Q Are these internal standards suitable for LC-MS/MS?

A Analogs and deuterated internal standards have been used and methods have been validated; however, the proper tests may not have been performed. ^{13}C and ^{15}N labeled internal standards enables the labs to ensure increased accuracy without additional testing (co-elution, ion suppression and loss of deuterium).

Q We already have a method and it is validated.

A Implementing a change to an internal standard for most labs requires a re-validation run to ensure the new internal standard properly performs in the assay. Utilizing a superior internal standard can correct for ion suppression / matrix effect allowing the lab to have more accuracy in their test results.