

Product Name: β-Estradiol - d₃

Catalog No.: 5528

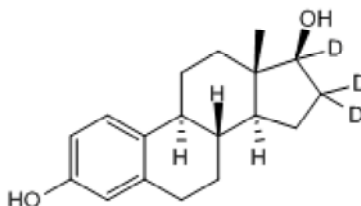
Batch No.: 1

CAS Number: 79037-37-9

IUPAC Name: (17β)-Estra-1,3,5(10)-triene-16,16,17-d₃-3,17-diol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₂₁D₃O₂
Batch Molecular Weight: 275.37
Physical Appearance: White solid
Solubility: ethanol to 75 mM
 DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

Isotopic Purity: 98.4% D
HPLC: Shows 98.0% purity
¹H NMR: Consistent with structure
 Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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CAS Number: 79037-37-9

IUPAC Name: (17 β)-Estra-1,3,5(10)-triene-16,16,17-d₃-3,17-diol

Description:

Deuterated β -estradiol. β -estradiol also available.

Physical and Chemical Properties:

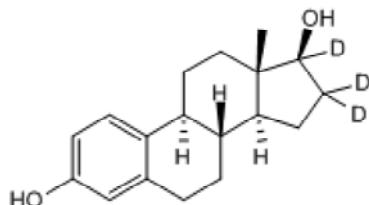
Batch Molecular Formula: C₁₈H₂₁D₃O₂

Batch Molecular Weight: 275.37

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

ethanol to 75 mM

DMSO to 100 mM

This product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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