

Product Name: Topiramate - d₁₂

Catalog No.: 5541

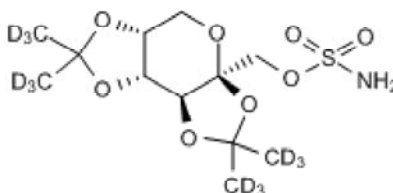
Batch No.: 1

CAS Number: 1279037-95-4

IUPAC Name: 2,3:4,5-Bis-O-(1-methylethylidene-d₆)-β-D-fructopyranose sulfamate

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₂H₉D₁₂NO₈S
Batch Molecular Weight: 351.44
Physical Appearance: White solid
Solubility: ethanol to 100 mM
DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

Isotopic Purity: 98.8% D
HPLC: Shows 99.6% 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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IUPAC Name: 2,3:4,5-Bis-O-(1-methylethylidene-d₆)-β-D-fructopyranose sulfamate

Description:

Deuterated topiramate. Topiramate also available.

Physical and Chemical Properties:

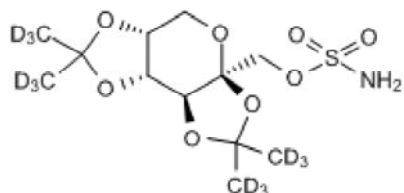
Batch Molecular Formula: C₁₂H₉D₁₂NO₈S

Batch Molecular Weight: 351.44

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

ethanol to 100 mM

DMSO to 100 mM

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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