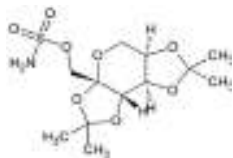


Topiramate

ALTERNATE NAME: 2,3:4,5-Bis-O-(1-methylethylidene)- β -D-fructopyranose sulfamate

CATALOG #: B3280-10 10 mg
B3280-50 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₂H₂₁NO₈S

MOLECULAR WEIGHT: 339.36

CAS NUMBER: 97240-79-4

APPEARANCE: White solid

PURITY: \geq 98% by HPLC

SOLUBILITY: >30 mg/ml Ethanol
>30 mg/ml DMSO

DESCRIPTION: Topiramate is a potent antiepileptic drug with a broad spectrum of activity. Topiramate acts as an antagonist of GluK1 kainate receptors (IC₅₀ = 0.46 μ M); also acts as a positive allosteric modulator of GABAA receptor-mediated currents, inhibits Nav channels (IC₅₀ = 48.9 μ M) and inhibits L-type Ca²⁺ channels. Also inhibits carbonic anhydrase (CA) (K_i values are 0.1 and 0.2 μ M at rat CA II and CA IV respectively), which lowers intracellular neuronal pH.

STORAGE TEMPERATURE: -20°C. Protect from moisture

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

NS-3763 (B1814)
Acetazolamide (B3271)
Evans Blue Tetrasodium (2586)
Methazolamide (B3259)
U-104 (9631)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*