
Product Data Sheet

Product Name: Sepimostat dimethanesulfonate

Cat. No.: GC61570

Chemical Properties

Cas. No. 103926-82-5

SMILES O=C(OC1=CC=C2C=C(C(N)=N)C=CC2=C1)C3=CC=C(NC4=NCCN4)C=C3.CS(=O)(O)=O.CS(=O)(O)=OFormula $C_{23}H_{27}N_5O_8S_2$ M.Wt 565.62

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Sepimostat dimethanesulfonate (FUT-187) exhibits neuroprotective activity via NR2B N-methyl-D-aspartate receptor antagonism at the Ifenprodil-binding site of the NR2B subunit. Sepimostat dimethanesulfonate inhibits the Ifenprodil binding with a K_i value of 27.7 μ M[1].

Sepimostat (1 to 100 nmol/eye, intravitreal injection) exhibits significant neuroprotective effect[1]. Animal Model: Male Sprague Dawley rats weighing 150-300 g[1].

[1]. Masahiro Fuwa, et al. Nafamostat and Sepimostat Identified as Novel Neuroprotective Agents via NR2B N-methyl-D-aspartate Receptor Antagonism Using a Rat Retinal Excitotoxicity Model. Sci Rep. 2019 Dec 31;9(1):20409.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
