

Product Data Sheet

Product Name: Sepimostat

Cat. No.: GC61580

Chemical Properties

Cas. No. 103926-64-3

SMILES O=C(OC1=CC=C2C=C(C(N)=N)C=CC2=C1)C3=CC=C(NC4=NCCN4)C=C3

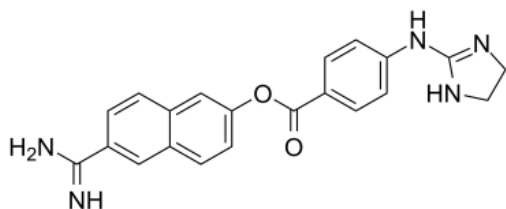
Formula $C_{21}H_{19}N_5O_2$ M.Wt 373.41

Solubility DMSO: 6.25 mg/mL (16.74 mM) 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 (FUT-187 free base) exhibits neuroprotective activity via NR2B N-methyl-D-aspartate receptor antagonism at the Ifenprodil-binding site of the NR2B subunit. Sepimostat 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].

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

Product Data Sheet

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