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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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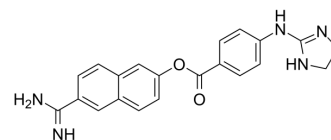
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Sepimostat

Cat. No.:	HY-136299
CAS No.:	103926-64-3
Molecular Formula:	C ₂₁ H ₁₉ N ₅ O ₂
Molecular Weight:	373.41
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 6.25 mg/mL (16.74 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.6780 mL	13.3901 mL	26.7802 mL
	5 mM		0.5356 mL	2.6780 mL	5.3560 mL
	10 mM		0.2678 mL	1.3390 mL	2.6780 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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 μM^[1].

In Vivo

Sepimostat (1 to 100 nmol/eye, intravitreal injection) exhibits significant neuroprotective effect^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Male Sprague Dawley rats weighing 150-300 g ^[1] .
Dosage:	Intravitreal injection.
Administration:	1 to 100 nmol/eye.
Result:	Exhibited neuroprotective effects significantly.

CUSTOMER VALIDATION

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- Eur J Pharmacol. 2022 Nov 17;175394.

See more customer validations on www.MedChemExpress.com

REFERENCES

[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.

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