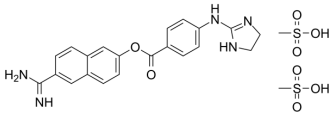
Sepimostat dimethanesulfonate

Cat. No.:	HY-136299A
CAS No.:	103926-82-5
Molecular Formula:	$C_{23}H_{27}N_5O_8S_2$
Molecular Weight:	565.62
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	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 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.

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.

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