

Irsenontrine maleate

Chemical Properties

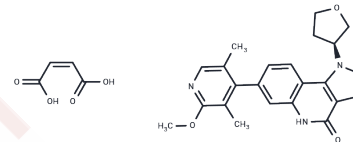
CAS No. : 1630083-70-3

Formula: C₂₆H₂₆N₄O₇

Molecular Weight: 506.515

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Irsenontrine (E2027) maleate is a selective and orally active inhibitor of phosphodiesterase 9 (PDE9). It can be utilized in the study of neurological diseases.
Targets(IC50)	Others,PDE
In vivo	Irsenontrine maleate, administered orally at doses of 0.3 and 3.3 mg/kg, significantly improves novel object exploration in scopolamine-induced rats at the higher dose [1]. Furthermore, a combined treatment of Irsenontrine maleate and memantine hydrochloride, each at 1 mg/kg orally, results in a significantly increased exploration of the novel object compared to treatment with memantine hydrochloride alone at the same dosage [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9743 mL	9.8713 mL	19.7426 mL
5 mM	0.3949 mL	1.9743 mL	3.9485 mL
10 mM	0.1974 mL	0.9871 mL	1.9743 mL
50 mM	0.0395 mL	0.1974 mL	0.3949 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Miyamoto, et al. Dementia therapeutic agent combining pyrazoloquinoline derivative and memantine. WO2018221550 A1

Hershey LA, et al. Pharmacological Management of Dementia with Lewy Bodies. Drugs Aging. 2019;36(4):309-319.

Eisai to present latest research on Alzheimer's disease / dementia pipeline at the 14th international conference on Alzheimer's & Parkinson's diseases

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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