

Fluoroethylnormemantine hydrochloride Biochemical

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CATALOG #
AAA227842

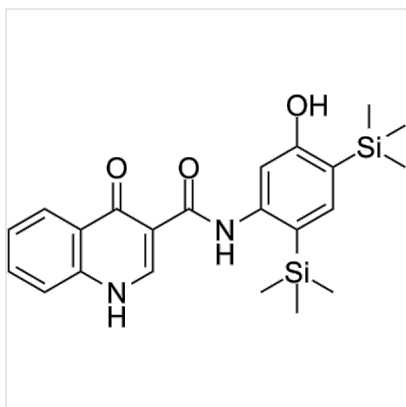
PRODUCT SYNONYMS

Fluoroethylnormemantine hydrochloride; PTI-808; Fluoroethylnormemantine hydrochloride biochemical

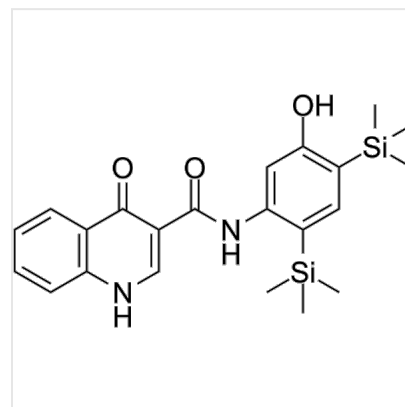
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1639210-25-5
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Fluoroethylnormemantine (0.1-10 mg/kg; a single i.p.) shows anti-amnesic effects on Abeta 25-35 -induced learning impairments in mice[1]. Fluoroethylnormemantine (0.1-10 mg/kg; i.p. once daily for 7 days) attenuates Abeta 25-35 -induced behavioral deficits, neuroinflammation, oxidative stress, apoptosis, and cell loss in mice[1]. Fluoroethylnormemantine (1-20 mg/kg; a single injection) decreases behavioral despair in the forced swim test (FST) and reduces fear behavior in the cued fear conditioning (FC) and extinction training in rats[2]. Animal Model: Male Swiss CD-1 mice (7-9 weeks) were injected with Abeta 25-35[1]. Dosage: 0.1, 0.3, 1, 3, 10 mg/kg. Administration: I.p. 30 minutes before the behavioral tests. Result: Attenuated Abeta 25-35 -induced spontaneous alternation deficit, passive avoidance deficit, and novel object exploration deficit.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Dirocaftor, CAS 2137932-23-9



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ADDITIONAL INFORMATION

Related Product Information for Fluoroethylnormemantine hydrochloride biochemical

Fluoroethylnormemantine hydrochloride, a derivative of Memantine, is an antagonist of the N-methyl-D-aspartate (NMDA) receptor. [18 F]-Fluoroethylnormemantine hydrochloride can be used as a positron emission tomography (PET) tracer. Fluoroethylnormemantine hydrochloride exhibits anti-amnesic, neuroprotective, antidepressant-like and fear-attenuating effects.

References

1. James A Reihill, et al. Modulation of Ion Transport to Restore Airway Hydration in Cystic Fibrosis. Genes (Basel). 2021 Mar 22;12(3):453.
2. P. van Mourik, et al. WS10 Moving beyond body mass index to assess nutritional status in CF. Journal of Cystic Fibrosis 19S2 (2020) S1-S36.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/fluoroethylnormemantine-hydrochloride/227842>