Data Sheet (Cat.No.T68973)

TargetMol

EVT-101 free base

Chemical Properties

CAS No. : 627525-33-1

Formula: C16H13F3N4

Molecular Weight: 318.30

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	EVT-101 free base, also known as ENS-101, is an experimental compound for investigations involving major depressive disorder. EVT-101 free base functions as a selective antagonist of the NMDA receptor subunit 2B (NR2B). EVT-101 free base is applicable to neuropharmacology, glutamatergic neurotransmission, and central nervous system signaling research.
Targets(IC50)	NMDAR
In vitro	EVT-101 free base competed with (R)-11C-Me-NB1 during in vitro autoradiography at concentration of 1 μM[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1417 mL	15.7085 mL	31.4169 mL
5 mM	0.6283 mL	3.1417 mL	6.2834 mL
10 mM	0.3142 mL	1.5708 mL	3.1417 mL
50 mM	0.0628 mL	0.3142 mL	0.6283 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

Haider A, et al. Preclinical Evaluation of Benzazepine-Based PET Radioligands (R)- and (S)-11C-Me-NB1 Reveals Distinct Enantiomeric Binding Patterns and a Tightrope Walk Between GluN2B- and σ1-Receptor-Targeted PET Imaging. J Nucl Med. 2019 Aug;60(8):1167-1173.

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