

Multitarget AD inhibitor-1 Biochemical

Multitarget AD inhibitor-1

CATALOG #
AAA228203

PRODUCT SYNONYMS

Multitarget AD inhibitor-1; Multitarget AD inhibitor-1 biochemical

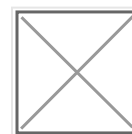
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2205015-77-4
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Multitarget AD inhibitor-1 (compound 10) selectively inhibits BuChE from equine serum (eqBuChE) and hBuChE over AChE from electric eel (eeAChE; 21.78% at 10 uM)[1]. Multitarget AD inhibitor-1 (10 uM) inhibits full-length tau aggregation with 44.4%[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
MrgprX2 antagonist-5, CAS 2527815-74-1



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ADDITIONAL INFORMATION

Related Product Information for Multitarget AD inhibitor-1 biochemical	Multitarget AD inhibitor-1 is a selective and reversible butyrylcholinesterase (BuChE) inhibitor with IC 50 s of 7.22 uM and 1.55 uM for hBuChE and eqBuChE (BuChE from equine serum), respectively. Multitarget AD inhibitor-1 inhibits beta-secretase (IC 50hBACE-1 =41.60 uM), amyloid beta aggregation (IC 50Abeta =3.09 uM), tau aggregation. Multitarget AD inhibitor-1, a diphenylpropylamine derivative, has the potential for multifunctional disease-modifying anti-Alzheimer's research.
References	1. BIGI S, et, al. 3-amino-4h-benzo[e][1,2,4]thiadiazine 1,1-dioxide derivatives as inhibitors of mrgx2. WO2020223255A1. 2. Porebski G, et, al. Mas-Related G Protein-Coupled Receptor-X2 (MRGPRX2) in Drug Hypersensitivity Reactions. Front Immunol. 2018 Dec 20;9:3027.

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.