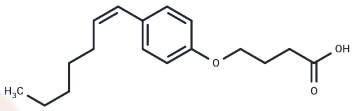
Data Sheet (Cat.No.T25508)

TargetMol

HUHS2002

Chemical Properties



CAS No. : 1393102-59-4

Formula: C17H24O3

Molecular Weight: 276.37

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	HUHS2002 is a free fatty acid derivative that works as a potentiator of GluA1 AMPA receptor responses and α7 ACh receptor responses.
Targets(IC50)	Others,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6183 mL	18.0917 mL	36.1834 mL
5 mM	0.7237 mL	3.6183 mL	7.2367 mL
10 mM	0.3618 mL	1.8092 mL	3.6183 mL
50 mM	0.0724 mL	0.3618 mL	0.7237 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

Kanno T, Shimizu T, Tanaka A, Nishimoto T, Nishizaki T. Free fatty acid derivative HUHS2002 potentiates α7 ACh receptor responses through indirect activation of CaMKII. Lipids. 2012 Sep;47(9):865-71. doi: 10.1007/s11745-012-3701-2. Epub 2012 Jul 21. PubMed PMID: 22820984.

Nishimoto T, Kanno T, Shimizu T, Tanaka A, Nishizaki T. Regulation of GluA1 AMPA receptor through PKC phosphorylation induced by free fatty acid derivative HUHS2002. Lipids. 2013 Jan;48(1):23-8. doi: 10.1007/s11745-012-3736-4. Epub 2012 Nov 2. PubMed PMID: 23117296; PubMed Central PMCID: PMC3535402.

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