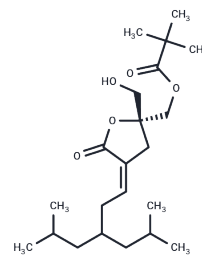


JH-131e-153

Chemical Properties

CAS No. : 742104-91-2
 Formula: C22H38O5
 Molecular Weight: 382.53
 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	JH-131e-153, a diacylglycerol (DAG)-lactone, serves as a small molecule activator for the C1 domain of Munc13-1, exhibiting an activation hierarchy of WT>I590≈R592A≈W588A. This compound's C1 domain shares sequence and structure homology with protein kinase C (PKC), with an activation preference of PKCα>Munc13-1>PKCε. JH-131e-153 is implicated in the modulation of neuronal processes and holds potential for research in neurodegenerative diseases [1].
Targets(IC50)	Others,PKC
In vitro	Munc13-1 is a target of the diacylglycerol (二酰甘油) second messenger pathway, functioning during vesicle maturation in the exocytosis (胞吐作用) process.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6142 mL	13.0709 mL	26.1417 mL
5 mM	0.5228 mL	2.6142 mL	5.2283 mL
10 mM	0.2614 mL	1.3071 mL	2.6142 mL
50 mM	0.0523 mL	0.2614 mL	0.5228 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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