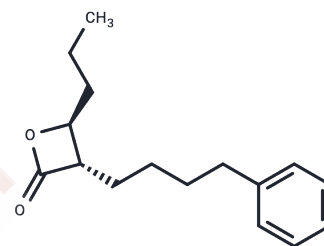


GK563

Chemical Properties

CAS No. : 2351820-19-2
 Formula: C₁₆H₂₂O₂
 Molecular Weight: 246.34
 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	GK563, a selective Ca ²⁺ -independent phospholipase A ₂ (GVIA iPLA ₂) inhibitor, exhibits a potent IC ₅₀ value of 1 nM and demonstrates 22,000-fold greater activity against GVIA iPLA ₂ compared to GIVA cPLA ₂ . Its efficacy in reducing β -cell apoptosis triggered by proinflammatory cytokines suggests potential therapeutic benefits in combating autoimmune disorders, including type 1 diabetes.
Targets(IC ₅₀)	Apoptosis,Others,Phospholipase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0594 mL	20.2972 mL	40.5943 mL
5 mM	0.8119 mL	4.0594 mL	8.1189 mL
10 mM	0.4059 mL	2.0297 mL	4.0594 mL
50 mM	0.0812 mL	0.4059 mL	0.8119 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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