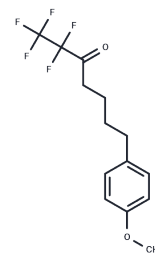


GK187

Chemical Properties

CAS No. : 1071001-50-7
Formula: C₁₄H₁₅F₅O₂
Molecular Weight: 310.26
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	GK187 is an inhibitor of Group VIA (GVIA) calcium-independent phospholipase A2 (iPLA2), an enzyme involved in basal cell metabolism. It inhibits GVIA iPLA2 by 99.8% at 0.091 mole fraction in a mixed micelle activity assay and is selective for GVIA iPLA2 over GIVA cPLA2 and GV sPLA2 where it shows less than 25% and 32.8% inhibition, respectively.
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Solubility Information

Solubility	Ethanol: 10 mg/mL DMSO: 10 mg/mL Ethanol:PBS (pH 7.2) (1:2): 0.3 mg/mL DMF: 10 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2231 mL	16.1155 mL	32.231 mL
5 mM	0.6446 mL	3.2231 mL	6.4462 mL
10 mM	0.3223 mL	1.6116 mL	3.2231 mL
50 mM	0.0645 mL	0.3223 mL	0.6446 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.

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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