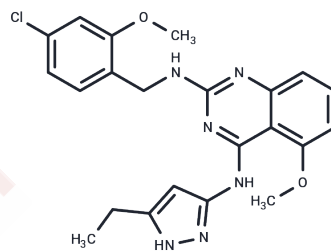


GRK6-IN-1

Chemical Properties

CAS No. :	2677786-61-5
Formula:	C ₂₂ H ₂₃ ClN ₆ O ₂
Molecular Weight:	438.91
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	GRK6-IN-1 (compound 18) is a potent inhibitor of G protein-coupled receptor kinase 6 (GRK6) with an IC ₅₀ of 120 nM, and has potential for study in multiple myeloma.
Targets(IC ₅₀)	Aurora Kinase,GRK,IGF-1R

Solubility Information

Solubility	DMSO: 30 mg/mL (68.35 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2784 mL	11.3919 mL	22.7837 mL
5 mM	0.4557 mL	2.2784 mL	4.5567 mL
10 mM	0.2278 mL	1.1392 mL	2.2784 mL
50 mM	0.0456 mL	0.2278 mL	0.4557 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

Uehling DE, et al. Design, Synthesis, and Characterization of 4-Aminoquinazolines as Potent Inhibitors of the G Protein-Coupled Receptor Kinase 6 (GRK6) for the Treatment of Multiple Myeloma [published correction appears in J Med Chem. 2022 Jan 13;65(1):886-887]. J Med Chem. 2021;64(15):11129-11147.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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