

GRK5-IN-5

Chemical Properties

CAS No. :	3061801-11-1
Formula:	C30H27FN4O5
Molecular Weight:	542.57
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	GRK5-IN-5 (Compound 4a) is a selective inhibitor of G protein-coupled receptor kinase 5 (GRK5) with an IC50 value of 0.03 μ M. It shows an IC50 of 2.2 μ M for GRK2 and 0.036 μ M for GRK6. GRK5-IN-5 exhibits potent anti-hypertrophic activity in cardiac muscle and inhibits the proliferation of non-cardiac cells. It blocks pathological cardiac remodeling by inhibiting the abnormal upregulation of hypertrophic marker genes Nppa and Nppb. GRK5-IN-5 is useful for research in myocardial hypertrophy.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8431 mL	9.2154 mL	18.4308 mL
5 mM	0.3686 mL	1.8431 mL	3.6862 mL
10 mM	0.1843 mL	0.9215 mL	1.8431 mL
50 mM	0.0369 mL	0.1843 mL	0.3686 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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