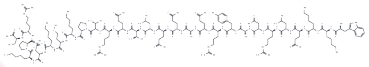
Data Sheet (Cat.No.TP2025)

TargetMol

GRK2i

Chemical Properties



CAS No. : 148505-03-7

Formula: C153H256N50O41S

Molecular Weight: 3484.08

Storage: Keep away from moisture
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	GRK2 inhibitory polypeptide that specifically inhibits Gβγ activation of GRK2. Corresponds to the Gβγ-binding domain and acts as a cellular Gβγ antagonist.
Targets(IC50)	GRK

Solubility Information

Solubility	H2O: 2 mg/mL (0.57 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.287 mL	1.4351 mL	2.8702 mL
5 mM	0.0574 mL	0.287 mL	0.574 mL
10 mM	0.0287 mL	0.1435 mL	0.287 mL
50 mM	0.0057 mL	0.0287 mL	0.0574 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

Koch et al (1994) Cellular expression of the carboxyl terminus of a G protein-coupled receptor kinase attenuates Gβγ-mediated signaling. J.Biol.Chem. 269 6193 PMID:
Macrez et al (1997) A βγ dimer derived from G13 transduces the angiotensin AT1 receptor signal to stimulation of Ca2+ channels in rat portal vein myocytes. J.Biol.Chem. 272 23180 PMID:
Dang et al (2009) Two distinct mechanisms mediate acute μ-opioid receptor desensitization in native neurons. J. Neurosci. 29 3322 PMID:

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