

KD-027

Chemical Properties

CAS No. : 906421-01-0

Formula: C₂₅H₃₅N₇O₆S

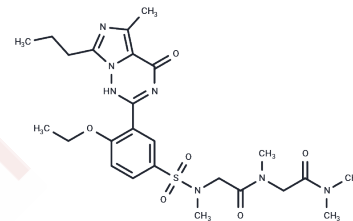
Molecular Weight: 561.65

Storage:

Keep away from moisture, Keep away from direct sunlight

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	KD-027 is a novel and long-acting PDE5A(phosphodiesterase 5A) inhibitor with potential antihypertensive activity.
Targets(IC ₅₀)	PDE

Solubility Information

Solubility	DMSO: 250 mg/mL (445.12 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7805 mL	8.9023 mL	17.8047 mL
5 mM	0.3561 mL	1.7805 mL	3.5609 mL
10 mM	0.178 mL	0.8902 mL	1.7805 mL
50 mM	0.0356 mL	0.178 mL	0.3561 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

Melchiodè Z, et al. Phosphodiesterase 5 inhibitors: preclinical and early-phase breakthroughs for impotence treatments. Expert Opin Investig Drugs. 2023 Jul-Dec;32(7):635-642.

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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