

Kgp-IN-1

Chemical Properties

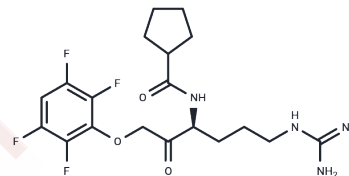
CAS No. : 2097865-36-4

Formula: C₁₉H₂₄F₄N₄O₃

Molecular Weight: 432.41

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	Kgp-IN-1 is an arginine-specific gingipain (Rgp) inhibitor that targets and inhibits the activity of gingipains, which are proteases involved in periodontal disease.
Targets(IC50)	Histone Demethylase,Others,Cysteine Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3126 mL	11.5631 mL	23.1262 mL
5 mM	0.4625 mL	2.3126 mL	4.6252 mL
10 mM	0.2313 mL	1.1563 mL	2.3126 mL
50 mM	0.0463 mL	0.2313 mL	0.4625 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

Stephen S. Dominy, et al. Treatment of osteoarthritis with gingipain blocking agents. WO2017201322A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481