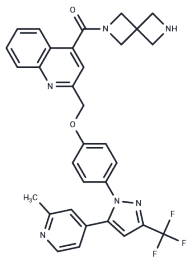
Data Sheet (Cat.No.T209851)

TargetMol

Phosphodiesterase-IN-2

Chemical Properties



CAS No. : 3047610-96-5

Formula: C32H27F3N6O2

Molecular Weight: 584.59

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	Phosphodiesterase-IN-2 (Compound C7) is an orally active and selective inhibitor of phosphodiesterase 10A (PDE10A), with an IC50 of 11.9 nM. It enhances hepatic microsomal stability and reduces blood-brain barrier permeability. Phosphodiesterase-IN-2 exhibits favorable pharmacokinetic properties in mouse models and can alleviate isoprenaline-induced cardiac hypertrophy.
Targets(IC50)	PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7106 mL	8.553 mL	17.106 mL
5 mM	0.3421 mL	1.7106 mL	3.4212 mL
10 mM	0.1711 mL	0.8553 mL	1.7106 mL
50 mM	0.0342 mL	0.1711 mL	0.3421 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481