

Mutated EGFR-IN-1

Chemical Properties

CAS No. :	1421372-66-8
Formula:	C ₂₅ H ₃₁ N ₇ O
Molecular Weight:	445.56
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Mutated EGFR-IN-1 (Osimertinib analog) is a valuable intermediate in designing inhibitors for mutated EGFR, including L858R EGFR, Exon19 deletion activating mutant, and T790M resistance mutant.
Targets(IC50)	EGFR
In vitro	Mutated EGFR inhibitor acts as egfr modulators useful for treating cancer.

Solubility Information

Solubility	DMSO: 7.5 mg/mL (16.83 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2444 mL	11.2218 mL	22.4437 mL
5 mM	0.4489 mL	2.2444 mL	4.4887 mL
10 mM	0.2244 mL	1.1222 mL	2.2444 mL
50 mM	0.0449 mL	0.2244 mL	0.4489 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

Patent WO 2013014448 A2 - (2, 4, 5 - substituted -anilino) pyrimidine derivatives as egfr modulators useful for treating cancer .

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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