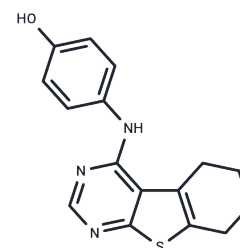


Tyrosine kinase-IN-7

Chemical Properties

CAS No. :	345615-74-9
Formula:	C ₁₆ H ₁₅ N ₃ O ₂ S
Molecular Weight:	297.38
Storage:	Store at low temperature 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	Tyrosine kinase-IN-7 is a potent inhibitor of the tyrosine kinase EGFR, inhibiting EGFR (WT) and EGFR(T790M) and showing anti-cancer and anti-tumor activity in a variety of cancer cell lines. Tyrosine kinase-IN-7 has potential anti-inflammatory and antiviral activities.
Targets(IC50)	EGFR,Antiviral

Solubility Information

Solubility	DMSO: 5.5 mg/mL (18.49 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	3.3627 mL	16.8135 mL	33.627 mL
5 mM	0.6725 mL	3.3627 mL	6.7254 mL
10 mM	0.3363 mL	1.6814 mL	3.3627 mL
50 mM	0.0673 mL	0.3363 mL	0.6725 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

Elmetwally SA, et al. Design, synthesis and anticancer evaluation of thieno[2,3-d]pyrimidine derivatives as dual EGFR/HER2 inhibitors and apoptosis inducers. *Bioorg Chem.* 2019 Jul;88:102944.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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