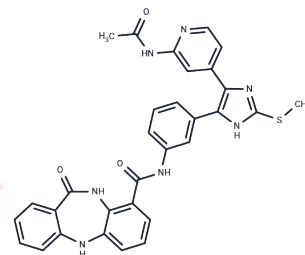


EGFR kinase inhibitor 3

Chemical Properties

CAS No. :	2922402-03-5
Formula:	C ₃₁ H ₂₅ N ₇ O ₃ S
Molecular Weight:	575.64
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	EGFR kinase inhibitor 3 (compound 2) serves as a dual-action inhibitor targeting both ATP and allosteric sites of the EGFR kinase, exhibiting potent IC ₅₀ values of less than 10 nM for wild-type EGFR, 1.5 nM for the L858R mutation, 0.059 nM for the L858R/T790M mutation, and 0.064 nM for the L858R/T790M/C797S mutation. It is classified as a C-linked inhibitor [1].
Targets(IC ₅₀)	EGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7372 mL	8.686 mL	17.372 mL
5 mM	0.3474 mL	1.7372 mL	3.4744 mL
10 mM	0.1737 mL	0.8686 mL	1.7372 mL
50 mM	0.0347 mL	0.1737 mL	0.3474 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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