

EGFR-IN-142

Chemical Properties

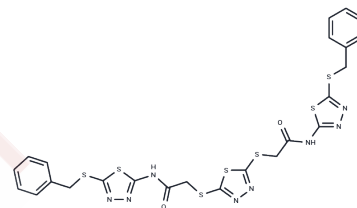
CAS No. :

Formula: C₂₄H₂₀N₈O₂S₇

Molecular Weight: 676.923

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-IN-142 (compound 9a) is an EGFR inhibitor with an IC ₅₀ value of 0.08 μM. It exhibits antiproliferative activity against MCF-7 cells (IC ₅₀ = 3.31 μM) and WI-38 cells (IC ₅₀ = 43.99 μM).
Targets(IC ₅₀)	EGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4773 mL	7.3864 mL	14.7728 mL
5 mM	0.2955 mL	1.4773 mL	2.9546 mL
10 mM	0.1477 mL	0.7386 mL	1.4773 mL
50 mM	0.0295 mL	0.1477 mL	0.2955 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