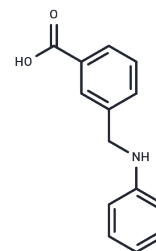


DHFR-IN-2

Chemical Properties

CAS No. : 331942-46-2
 Formula: C₁₄H₁₃NO₂
 Molecular Weight: 227.26
 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	DHFR-IN-2 (compound 4e) is a potent and uncompetitive inhibitor of MtDHFR, with an IC ₅₀ of 7 μM. The enzyme dihydrofolate reductase from <i>M. tuberculosis</i> (MtDHFR) holds high unexploited potential as a drug target due to its importance for pathogen survival. DHFR-IN-2 can be used for tuberculosis (TB) research [1].
Targets(IC ₅₀)	Others,Antifolate

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4002 mL	22.0012 mL	44.0025 mL
5 mM	0.880 mL	4.4002 mL	8.8005 mL
10 mM	0.440 mL	2.2001 mL	4.4002 mL
50 mM	0.088 mL	0.440 mL	0.880 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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