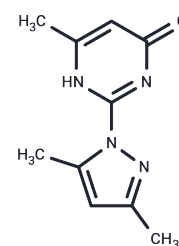


Pyrimidinone 8

Chemical Properties

CAS No. :	65004-42-4
Formula:	C10H12N4O
Molecular Weight:	204.229
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	Pyrimidinone 8 is a reversible, linear non-competitive inhibitor of divalent metal transporter 1 (DMT1) with a K_i of 20 μM (hDMT1). It does not affect the surface expression of hDMT1 and is not influenced by extracellular pH. Pyrimidinone 8 inhibits hDMT1-mediated iron uptake, with an IC_{50} of 13.8 μM .
Targets(IC_{50})	Ferroportin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8964 mL	24.4822 mL	48.9644 mL
5 mM	0.9793 mL	4.8964 mL	9.7929 mL
10 mM	0.4896 mL	2.4482 mL	4.8964 mL
50 mM	0.0979 mL	0.4896 mL	0.9793 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