

9-Methylguanine

Chemical Properties

CAS No. :	5502-78-3
Formula:	C ₆ H ₇ N ₅ O
Molecular Weight:	165.16
Storage:	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	9-Methylguanine is a derivative of 8-mercaptoguanine and acts as an inhibitor of dihydropteroate synthase (DHPS), with an affinity (Kd) of 58 μM for Escherichia coli dihydropteroate synthase (EcDHPS).
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0547 mL	30.2737 mL	60.5473 mL
5 mM	1.2109 mL	6.0547 mL	12.1095 mL
10 mM	0.6055 mL	3.0274 mL	6.0547 mL
50 mM	0.1211 mL	0.6055 mL	1.2109 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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