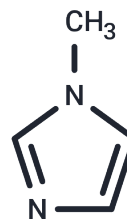


1-Methylimidazole

Chemical Properties

CAS No. :	616-47-7
Formula:	C ₄ H ₆ N ₂
Molecular Weight:	82.1
Appearance:	no data available
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1-Methylimidazole is a metabolite of 1-methyl-2-thioimidazole (methimazole) which inhibits bone resorption.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 45 mg/mL (548.11 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	12.1803 mL	60.9013 mL	121.8027 mL
5 mM	2.4361 mL	12.1803 mL	24.3605 mL
10 mM	1.218 mL	6.0901 mL	12.1803 mL
50 mM	0.2436 mL	1.218 mL	2.4361 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.

Reference

Shafizadeh N, et al. J Chem Phys. 2014 Nov 7;141(17):174310.

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