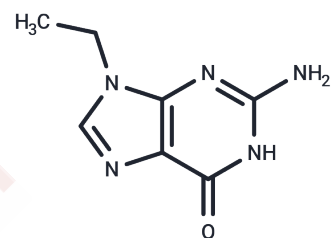


9-Ethylguanine

Chemical Properties

CAS No. :	879-08-3
Formula:	C7H9N5O
Molecular Weight:	179.18
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	9-Ethylguanine is a model nucleobase commonly used in the studies of DNA interactions with organometallic complexes.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others

Solubility Information

Solubility	DMSO: 3.6 mg/mL (20.09 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	5.581 mL	27.9049 mL	55.8098 mL
5 mM	1.1162 mL	5.581 mL	11.162 mL
10 mM	0.5581 mL	2.7905 mL	5.581 mL
50 mM	0.1116 mL	0.5581 mL	1.1162 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.

Reference

Uemura M, et al. An in vivo highly antitumor-active tetrazolato-bridged dinuclear platinum(II) complex largely circumvents in vitro cisplatin resistance: two linkage isomers yield the same product upon reaction with 9-ethylguanine but exhibit different cytotoxic profiles. *Metallomics*. 2012 Jul;4(7):686-92.

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