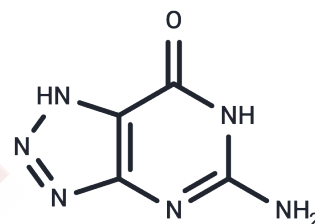


8-Azaguanine

Chemical Properties

CAS No. :	134-58-7
Formula:	C ₄ H ₄ N ₆ O
Molecular Weight:	152.11
Appearance:	no data available
Storage:	store at low temperature
	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	8-Azaguanine (SK 1150) is a purine analogue with potential antineoplastic activity.
Targets(IC50)	Nucleoside Antimetabolite/Analog, Endogenous Metabolite
In vivo	A study of the in vivo metabolism of 8-azaguanine-2-C 14 by mouse neoplasms that are susceptible or resistant to growth inhibition by 8-azaguanine have been reported. The results show that the growth of those neoplasms which convert significant amounts of 8-azaguanine to 8-azaguanic acid is inhibited by 8-azaguanine.

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 1 mg/mL (6.57 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	6.5742 mL	32.8709 mL	65.7419 mL
5 mM	1.3148 mL	6.5742 mL	13.1484 mL
10 mM	0.6574 mL	3.2871 mL	6.5742 mL
50 mM	0.1315 mL	0.6574 mL	1.3148 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

- Dourado M, et al. Pathophysiology, 2007, 14(1), 3-10.
Brockman RW, et al. Cancer Res, 1959, 19(2), 177-188.

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