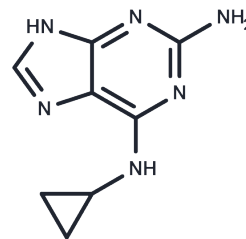


2-Amino-6-cyclopropylamino-9H-purine

Chemical Properties

CAS No. :	120503-69-7
Formula:	C ₈ H ₁₀ N ₆
Molecular Weight:	190.21
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	2-Amino-6-cyclopropylamino-9H-purine, the key intermediate of abacavir was synthesized from ethyl cyanoacetate by nitrosation, cyclization with guanidine hydrochloride in the presence of EtONa and reduction to give 2,4,5-triamino-6-hydroxypyrimidine
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (289.15 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	5.2573 mL	26.2867 mL	52.5735 mL
5 mM	1.0515 mL	5.2573 mL	10.5147 mL
10 mM	0.5257 mL	2.6287 mL	5.2573 mL
50 mM	0.1051 mL	0.5257 mL	1.0515 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

Zhou H L , Qi-Lin H U , Zhao Q S , et al. Synthesis of 2-Amino-6-cyclopropylamino-9H-purine[J]. Chinese Journal of Pharmaceuticals, 2008.

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