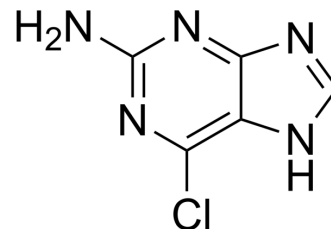


2-Amino-6-chloropurine

Cat. No.:	HY-Y0429
CAS No.:	10310-21-1
Molecular Formula:	C ₅ H ₄ ClN ₅
Molecular Weight:	169.57
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (196.56 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>5.8973 mL</td> <td>29.4863 mL</td> <td>58.9727 mL</td> </tr> <tr> <td>5 mM</td> <td>1.1795 mL</td> <td>5.8973 mL</td> <td>11.7945 mL</td> </tr> <tr> <td>10 mM</td> <td>0.5897 mL</td> <td>2.9486 mL</td> <td>5.8973 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	5.8973 mL	29.4863 mL	58.9727 mL	5 mM	1.1795 mL	5.8973 mL	11.7945 mL	10 mM	0.5897 mL	2.9486 mL	5.8973 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (14.74 mM); Clear solution																					

BIOLOGICAL ACTIVITY

Description	6-Chloroguanine is a biochemical reagent that can be used as a biological material or organic compound for life science related research.
In Vitro	2-Amino-6-chloropurine is a precursor in the synthesis of nucleotide analogs with antiviral activity against Epstein-Barr virus (EBV) and human herpes virus 6 (HHV-6). MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Qiu, Y.-L., Ksebati, MB, Ptak, RG, et al.(Z)- and (E)-2-((hydroxymethyl)cyclopropylidene)methyladenine and -guanine. New nucleotide analogues with a broad-spectrum antiviral activity. J. Med. Chem.41(1) 10-23 (1998).

Caution: Product has not been fully validated for medical applications. For research use only.

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