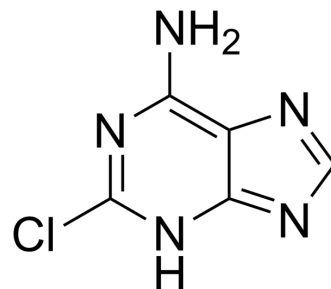


2-Chloroadenine

Cat. No.:	HY-W016999		
CAS No.:	1839-18-5		
Molecular Formula:	C ₅ H ₄ ClN ₅		
Molecular Weight:	169.57		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

2-Chloroadenine (6-Amino-2-chloropurine) is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

In Vitro

2-Chloroadenine is a heterocyclic building block that has been used in the synthesis of adenosine antimetabolites with antineoplastic activity. It is also the major catabolite of 2-chloro-2'-deoxyadenosine. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Bauta, WE, Schulmeier, BE, Bur the , BJ, et al. A new process for antineoplastic agent clofarabine. *Org. Proc. Res. Dev.* 8(6):889-896(2004)
- [2]. Bontemps, F., Delacauw, A., Cardoen, S., et al. Metabolism and cytotoxic effects of 2-chloroadenine, the major catabolite of 2-chloro-2'-deoxyadenosine. *Biochem. Pharmacol.* 59(10):1237-1243(2000)

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

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