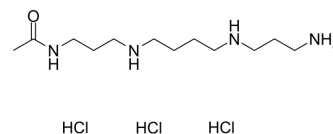


N1-Acetylspermine trihydrochloride

Cat. No.:	HY-113200A
CAS No.:	77928-70-2
Molecular Formula:	C ₁₂ H ₃₁ Cl ₃ N ₄ O
Molecular Weight:	353.76
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (141.34 mM; Need ultrasonic and warming)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8268 mL	14.1339 mL	28.2678 mL
	5 mM	0.5654 mL	2.8268 mL	5.6536 mL
	10 mM	0.2827 mL	1.4134 mL	2.8268 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N1-Acetylspermine trihydrochloride is an endogenous metabolite present in Urine that can be used for the research of Leukemia^{[1][2]}.

In Vitro

Endogenous metabolites is defined as those that are annotated by Kyoto Encyclopedia of Genes and Genomes as substrates or products of the ~1900 metabolic enzymes encoded in our genome. It is clear in the body of literature that there are documented toxic properties for many of these metabolites^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Lee SH, et al. Polyamine profiles in the urine of patients with leukemia. *Cancer Lett.* 1998 Jan 9;122(1-2):1-8.
- [2]. Lee N, et al. Endogenous toxic metabolites and implications in cancer therapy. *Oncogene.* 2020 Aug;39(35):5709-5720.

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

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