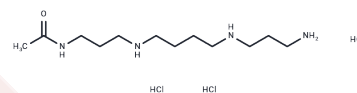


## N1-Acetylspermine trihydrochloride

## Chemical Properties

CAS No. :	77928-70-2
Formula:	C <sub>12</sub> H <sub>31</sub> Cl <sub>3</sub> N <sub>4</sub> O
Molecular Weight:	353.76
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	N1-Acetylspermine trihydrochloride is a monoacetylated derivative of spermine which is an endogenous polyamine. N1-Acetylspermine trihydrochloride can be used in studies about the uptake of the anticancer polyamine analog bleomycin-A5 by the human carnitine transporter SLC22A16.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 17 mg/mL (48.06 mM),Sonication is recommended. H <sub>2</sub> O: 50 mg/mL (141.34 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	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
50 mM	0.0565 mL	0.2827 mL	0.5654 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

Gutierrez, et al. Mechanisms of spermine- and N1-acetylspermine-induced relaxation on rat uterine smooth muscle in-vitro. *Pharmaceutical Sciences*, 1997, vol. 3, # 10, p. 513 - 516

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