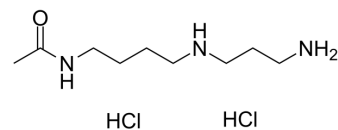


N8-Acetylspermidine dihydrochloride

Cat. No.:	HY-113253A
CAS No.:	34450-15-2
Molecular Formula:	C ₉ H ₂₃ Cl ₂ N ₃ O
Molecular Weight:	260.2
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°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	DMSO : 100 mg/mL (384.32 mM; Need ultrasonic)																									
	H ₂ O : 50 mg/mL (192.16 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="4">Preparing Stock Solutions</td> <td>1 mM</td> <td>3.8432 mL</td> <td>19.2160 mL</td> <td>38.4320 mL</td> </tr> <tr> <td>5 mM</td> <td>0.7686 mL</td> <td>3.8432 mL</td> <td>7.6864 mL</td> </tr> <tr> <td>10 mM</td> <td>0.3843 mL</td> <td>1.9216 mL</td> <td>3.8432 mL</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	3.8432 mL	19.2160 mL	38.4320 mL	5 mM	0.7686 mL	3.8432 mL	7.6864 mL	10 mM	0.3843 mL	1.9216 mL	3.8432 mL				
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Please refer to the solubility information to select the appropriate solvent.																										
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: PBS Solubility: 100 mg/mL (384.32 mM); Clear solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (9.61 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.61 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.61 mM); Clear solution 																									

BIOLOGICAL ACTIVITY

Description	N8-Acetylspermidine dihydrochloride is a polyamine.
IC₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Seiler N, et al. The influence of catabolic reactions on polyamine excretion. Biochem J. 1985 Jan 1;225(1):219-26.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA