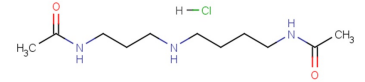


Data Sheet (Cat.No.T19460)

N1,N8-Diacetylspermidine hydrochloride

Chemical Properties

CAS No.:	178244-42-3
Formula:	C ₁₁ H ₂₄ ClN ₃ O ₂
Molecular Weight:	265.78
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	N1,N8-Diacetylspermidine hydrochloride is a polyamines in the human urine.
Targets(IC ₅₀)	Human Endogenous Metabolite: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.763 mL	18.813 mL	37.625 mL
5 mM	0.753 mL	3.763 mL	7.525 mL
10 mM	0.376 mL	1.881 mL	3.763 mL
50 mM	0.075 mL	0.376 mL	0.753 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Umemori Y, et al. Evaluating the utility of N1,N12-diacetylspermine and N1,N8-diacetylspermidine in urine as tumormarkers for breast and colorectal cancers. Clin Chim Acta. 2010 Dec 14;411(23-24):1894-9.
2. Hiramatsu K, et al. Diagnostic and prognostic usefulness of N1,N8-diacetylspermidine and N1,N12-diacetylsperminein urine as novel markers of malignancy. J Cancer Res Clin Oncol. 1997;123(10):539-45

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