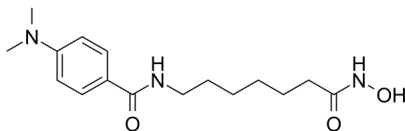


## Certificate of Analysis

Catalog Number	BP13997
Product Name	M344

## Physical and Chemical Properties

Synonyms	Histone Deacetylase Inhibitor III, MS 344
CAS No.	251456-60-7
Chemical Formula	C <sub>16</sub> H <sub>25</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight	307.394
Solubility	Ethanol: 4 mg/mL (13.01 mM) H <sub>2</sub> O: <1 mg/mL; DMSO: 62 mg/mL (201.69 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	M344 is a potent HDAC inhibitor with IC <sub>50</sub> of 100 nM and able to induce cell differentiation.
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Targets&IC50	HDAC:100 nM
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## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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