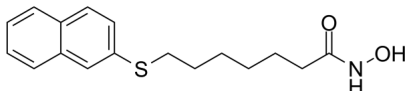


Certificate of Analysis

Catalog Number	BP13921
Product Name	HNHA

Physical and Chemical Properties

CAS No.	926908-04-5
Chemical Formula	C ₁₇ H ₂₁ NO ₂ S
Molecular Weight	303.42
Solubility	Ethanol: 15mg/mL(49.44mM) DMSO: 15mg/mL(49.44mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	HNHA is an inhibitor of HDAC.
Targets&IC50	HDAC:100 nM

In vitro	Treatment of cells with HNHA could elicit histone hyperacetylation resulting in an up-regulation of cell cycle arrest, p21 transcription, and an inhibition of HT1080 cell invasion. HNHA was able to inhibit in-vitro HDAC enzyme activity as well as proliferation of human fibrosarcoma cells (HT1080).
In vivo	Several HDAC inhibitors, including MS-27-275 and a hydroxyamide-based HDAC inhibitors such as SAHA have been investigated extensively and shown to inhibit tumor growth in vivo.

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.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

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