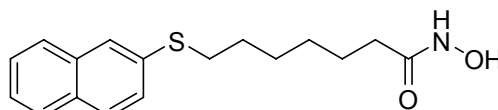


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***N*-Hydroxy-7-(2-naphthalenylthio)-heptanamide (HNHA) - a novel histone deacetylase (HDAC) inhibitor**



Chemical Formula: C₁₇H₂₁NO₂S
Molecular Weight: 303.42

Ref.: Kim et al. **Anti-tumor activity of *N*-hydroxy-7-(2-naphthylthio)heptanamide, a novel histone deacetylase inhibitor.** *Biochemical and Biophysical Research Communications* (2007), 356, 233-238
N-Hydroxy-7-(2-naphthylthio)heptanamide (**HNHA**) is a histone deacetylase (HDAC) inhibitor with antitumor activity both in vitro and in vivo. The compound inhibited HDAC enzyme activity as well as proliferation of human fibrosarcoma cells (HT1080) in vitro. Treatment of cells with HNHA elicited histone hyperacetylation leading to an up-regulation of p21 transcription, cell cycle arrest, and an inhibition of HT1080 cell invasion. Moreover, HNHA effectively inhibited the growth of tumor tissue in a mouse xenograph assay in vivo. Together, these data demonstrate that this novel HDAC inhibitor could be developed as a potential antitumor agent targeting HDAC.

OTAVA catalog no.	CAS RN	Amount	Delivery time	Purity
7070707016	926908-04-5	1 GRAM <i>(minimum package size)</i>	4-6 weeks	≥ 95% by HPLC, ¹³ C NMR & ¹ H NMR
