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CERTIFICATE OF ANALYSIS

Product name: **CI 994**

Cat. number: **VD-AI-0083**

CAS Number: **112522-64-2**

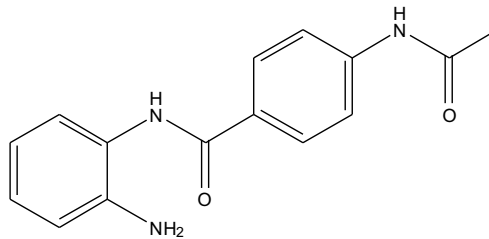
Lot number: **VD12-80055408**

Personal protective equipment

■ Lab coat.



■ Safety glasses.



Product Specification

Formula:	C ₁₅ H ₁₅ N ₃ O ₂
MW:	269.3
Purity:	>=99%
Appearance:	Off-white solid
Solubility:	DMSO
Storage:	+4°C.
Synonyms:	N-acetyldinaline;4-(Acetylamino)-N-(2-aminophenyl)benzamide

Product Description:

Orally active histone deacetylase (HDAC) inhibitor (Ki values are 0.41, 0.75, >100 and >100 μM for HDAC1, HDAC3, HDAC6 and HDAC8 respectively). Mediates G1 cell cycle arrest, inhibits proliferation and induces apoptosis in vitro and in vivo.

Product Reference:

- 1.Kraker et al (2003) Modulation of histone acetylation by [4-(acetylamino)-N-(2-amino-phenyl) benzamide] in HCT-8 colon carcinoma. Mol.Cancer Ther. 2 401.
- 2.Loprevite et al (2005) In vitro study of CI-994, a histone deacetylase inhibitor, in non-small cell lung cancer cell lines. Oncol.Res. 15 39.
- 3.Beckers et al (2007) Distinct pharmacological properties of second generation HDAC inhibitors with the benzamide or hydroxamate head group. Int.J.Cancer 121 1138.

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