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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Trichostatin A (TSA)

Catalog #: 27102

Lot #: 111121

Size: 10 mg

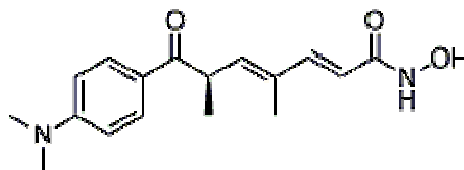
Structure:

CAS Registry #: 58880-19-6

Purity: >98%

Chemical Formula: C₁₇H₂₂N₂O₃

Molecular Weight: 302.4

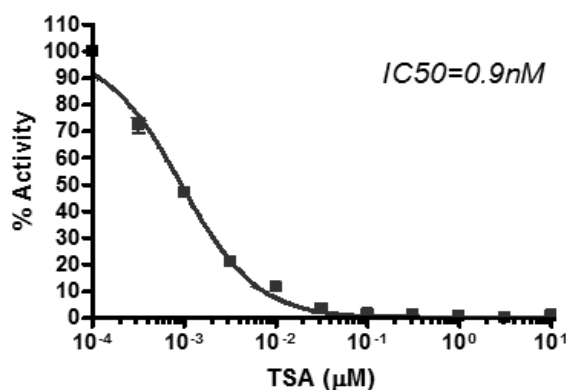


Description: Trichostatin A (TSA) is an antifungal antibiotic with cytostatic and differentiating properties in mammalian cell culture.

Appearance: White to beige powder.

Solubility: Soluble in DMSO.

Biological Activity: TSA inhibited proliferation of eight breast carcinoma cell lines with mean \pm SD IC₅₀ of 124.4 \pm 120.4 nM (range of 26.4 nM–308.1 nM). HDAC inhibitory activity of TSA was similar in all cell lines with mean \pm SD IC₅₀ of 2.4 \pm 0.5 nM (range of 1.5 nM–2.9 nM), and TSA treatment resulted in pronouncing histone H4 hyperacetylation. TSA inhibited HDAC3 with IC₅₀ of 0.9 nM using the BPS Bioscience Fluorogenic HDAC Assay Kit (Cat. #50033).



Storage/Stability: Store at or below -20 °C.

Quality Control: The purity was determined by HPLC analysis.

Reference: Festuccia, C. *et al. Endocr Relat Cancer* 2009;**16**: 401-413