

Trichostatin A, HDAC inhibitor

Catalog	Unit
TBI2110 - 1MG	1 mg
TBI2110 - 5MG	5 mg

Product Details

Formal Name: (2E,4E,6R)-7-(4-(dimethylamino)phenyl)-N-hydroxy-4,6-dimethyl-7-oxo-2,4-heptadienamidine

Alternate Names: TSA

Molecular Formula: C₁₇H₂₂N₂O₃

Formula Weight: 302.38

CAS Number: 58880-19-6

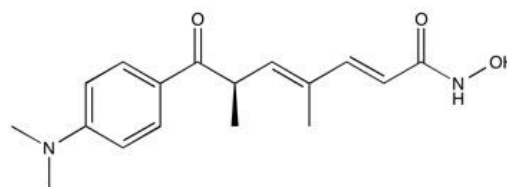
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 15 mg/ml), or in Ethanol (up to 3 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

HDAC inhibitor

Functions

Trichostatin A (58880-19-6) is a potent and selective histone deacetylase (HDAC) inhibitor ($K_i = 3.4$ nM). Induces reversion of ras transformed cells to normal morphology. Trichostatin A induces dedifferentiation of primordial germ cells into embryonic germ cells. Cell permeable and active in vivo.

Application Procedures

First dissolved in DMSO (up to 15 mg/ml) or in ethanol (up to 3 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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