



Data Sheet

Research Use Only

Compound Name

Trichostatin A

Catalog Number

SM36

Activity

Trichostatin A is a potent and specific inhibitor of histone deacetylase (HDAC).

Purity

>99%

Formula

$C_{17}H_{22}N_2O_3$

Solubility

DMSO

Alternative Names

TSA, [R-(E,E)]-7-[4-(Dimethylamino)phenyl]-N-hydroxy-4,6-dimethyl-7-oxo-2,4-heptadienamide

Effect

HDAC is overexpressed in a variety of cancers and is closely correlated with oncogenic factors.

CAS

58880-19-6

Molecular Weight

302.37

Stability

Stable at -20°C. Keep away from direct sunlight.

References

1. Vanhaecke, T., et al. 2004. Curr Med Chem. 11(12): 1629-1643. PMID: 15180568