

Product Data Sheet

Product Name: Trichostatin C

Cat. No.: GC45080

Chemical Properties

Cas. No. 68676-88-0

SMILES CN(C)C1=CC=C(C([C@H](C)/C=C(C)/C=C/C(NO[C@@H]2O[C@H](CO)[C@@H](O)[C@H](O)[C@H]2O)=O)=O)C=C1

Formula C₂₃H₃₂N₂O₈

M.Wt 464.5

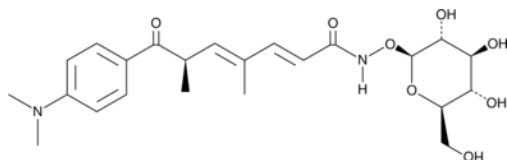
Solubility DMF: soluble, DMSO: soluble, Ethanol: soluble, Methanol: soluble

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Trichostatin C is a glycosylated derivative of trichostatin A, the antifungal antibiotic that reversibly inhibits histone deacetylase. Trichostatin C is reported to be the first example of a glucopyranosyl hydroxamate identified in nature. It has been shown to induce the differentiation of a mouse erythroleukemia cell line and to increase histone H4 acetylation in B cells, though at higher concentrations than trichostatin A.

Caution: Product has not been fully validated for medical applications. For research use only.

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