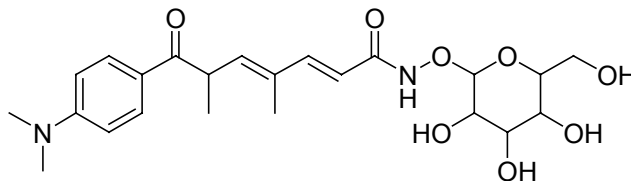


Trichostatin C

Code: **BIA-T1093**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : **Antibiotic 145-A**

Specifications

CAS # : **68676-88-0**
Molecular Formula : **C₂₃H₃₂N₂O₈**
Molecular Weight : **464.5**
Source : ***Streptomyces* sp. MST-AS5376**
Appearance : **White solid**
Purity : **> 99% by HPLC**
Long Term Storage : **+4°C**
Solubility : **Soluble in methanol and DMSO.**

Application Notes

Trichostatin C is the first example of a glucopyranosyl hydroxamate from nature. The conjugation may act to protect the less stable N-OH group of Trichostatin A. Trichostatin C displays antifungal, antiprotozoan and antitumor activity, albeit less active than trichostatin A.

References

1. Effects of trichostatins on differentiation of murine erythroleukemia cells. Yoshida M. et al. *Cancer Res.* **1987**, 47, 3688.
2. Trichostatin C, a glucopyranosyl hydroxamate. Tsuji N. et al. *J. Antibiot.* **1978**, 31, 939.