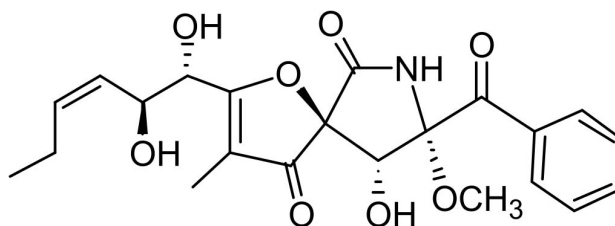


Pseurotin A

Code No.: BIA-P1104

Pack sizes.: 1mg, 5mg



Synonyms:

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Specifications

CAS #	: 58523-30-1
Molecular Formula	: C22H25NO8
Molecular Weight	: 431.4
Source	: -
Appearance	: White solid
Purity	: >99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Pseurotin A is a fungal metabolite with an unusual hetero-spirocyclic ring system. It has potent neuritogenic activity in PC12 pheochromocytoma cells, a useful model for adrenergic neuronal differentiation. Pseurotin A induces multipolar and branching neurites comparable to β -NGF, an endogenous neurotrophic factor. Pseurotin A also exhibits chitinase inhibition and acts synergistically with azole antifungal agents.

References

1. Novel neuritogenic activities of pseurotin A and penicillic acid. Komagata D. et al., J Antibiot. 1996, 49, 958.
2. Synerazol, a new antifungal antibiotic. Ando O. et al., J Antibiot. 1991, 44, 382.
3. Pseurotin, a new metabolite of Pseudeurotium ovalis Stolk having an unusual hetero-spirocyclic system. Bloch P. et al., Helv. Chim. Acta 1976, 59, 133.