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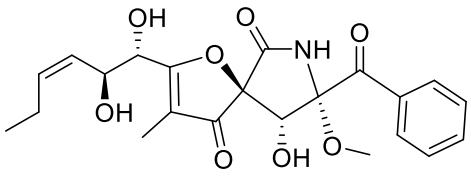
PRODUCT DATA SHEET

Pseurotin A

Code No.: **BIA-P1104**

Pack sizes: **1 mg, 5 mg**



Synonyms : -

Specifications

CAS #	:	**58523-30-1**
Molecular Formula	:	**$C_{22}H_{25}NO_8$**
Molecular Weight	:	**431.4**
Source	:	***Aspergillus fumigatus***
Appearance	:	**White solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol, 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 phaechromocytoma 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.

For in vitro laboratory use only. Not for human or animal use.

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