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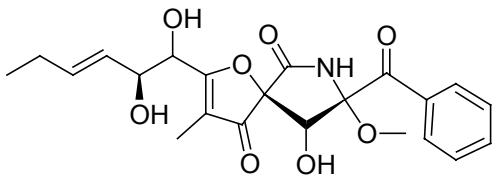
PRODUCT DATA SHEET

Pseurotin A

Code: **BIA-P1104**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms :

Specifications

CAS #	:	**58523-30-1**
Molecular Formula	:	**$C_{22}H_{25}NO_8$**
Molecular Weight	:	**431.4**
Source	:	***Aspergillus fumigatus* (MST-FP1831)**
Appearance	:	**White solid**
Purity	:	**> 99% by HPLC**
Long Term Storage	:	**4°C**
Solubility	:	**Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Pseurotin A is a fungal metabolite with an unusual hetero-spirocyclic ring system. It has been shown to have potent neuritogenic activity in PC12 phaechromocytoma cells, a useful model for adrenergic neuronal differentiation. Pseurotin A induced multipolar and branching neurites comparable to β-NGF, an endogenous neurotrophic factor. Pseurotin A is also reported to exhibit chitinase inhibition and displays synergistic activity 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.

Building C, 28-54 Percival Road, Smithfield NSW 2164, AUSTRALIA
Tel: 61 2 9757 4515 Fax: 61 2 9757 2586 Web: www.bioaustralis.com Email: info@bioaustralis.com