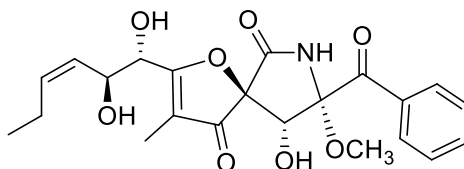


## Pseurotin A

Code No.: **BIA-P1104**

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



Synonyms :

## Specifications

CAS #	: <b>58523-30-1</b>
Molecular Formula	: <b>C<sub>22</sub>H<sub>25</sub>NO<sub>8</sub></b>
Molecular Weight	: <b>431.4</b>
Source	: <b><i>Aspergillus fumigatus</i></b>
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</b>

## 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  $\beta$ -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.