Pseurotin A

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**: >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 phaeochromocytoma 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: