

<b>Product Name:</b>	Pseurotin A
<b>Product Number:</b>	P096
<b>CAS Number:</b>	58523-30-1
<b>Molecular Formula:</b>	$C_{22}H_{25}NO_8$
<b>Molecular Weight:</b>	431.4
<b>Appearance:</b>	White solid
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	<p>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 also exhibits chitinase inhibition and acts synergistically with azole antifungal agents.</p> <p>Pseurotin A is soluble in ethanol, methanol, DMF and DMSO.</p>
<b>Mechanism of Action:</b>	<p>Pseurotin A induces multipolar and branching neurites comparable to <math>\beta</math>-NGF, an endogenous neurotrophic factor.</p>
<b>References:</b>	<p>Novel neuritogenic activities of pseurotin A and penicillic acid. Komagata D. et al. J Antibiot. 1996, 49, 958.</p> <p>Synerazol, a new antifungal antibiotic. Ando O. et al. J Antibiot. 1991, 44, 382.</p> <p>Pseurotin, a new metabolite of Pseudeurotium ovalis Stolk having an unusual hetero-spirocyclic system. Bloch P. et al. Helv. Chim. Acta 1976, 59, 133.</p>