**PRODUCT INFORMATION**

**Pseurotin A**
*Item No. 14441*

**CAS Registry No.:** 58523-30-1  
**Formal Name:** (5S)-8S-benzoyl-2-[1S,2S-dihydroxy-3Z-hexen-1-yl]-9R-hydroxy-8-methoxy-3-methyl-1-oxa-7-azaspiro[4.4]non-2-ene-4,6-dione  
**Synonym:** NSC 348694  
**MF:** C_{22}H_{25}NO_{8}  
**FW:** 431.4  
**Purity:** ≥98%  
**Supplied as:** A powder  
**Storage:** -20°C  
**Stability:** ≥2 years

*Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.*

**Laboratory Procedures**

Pseurotin A is supplied as a powder. A stock solution may be made by dissolving the pseurotin A in the solvent of choice. Pseurotin A is soluble in the organic solvent methanol, which should be purged with an inert gas.

**Description**

Pseurotin A is a secondary metabolite produced by *Aspergillus* and other fungi.\(^1\) Its expression is induced in response to hypoxia. Pseurotin A is a secondary metabolite produced by *Aspergillus* and other fungi.\(^1\) Its expression is induced in response to hypoxia.\(^2\) Pseurotin A has been shown to inhibit IgE production by mouse B cells in culture (IC\(_{50}\) = 3.6 μM) and dose-dependently (0.4-25 μg/ml) stimulate neuritogenic activity in rat pheochromocytoma PC12 cells.\(^3,4\) It also demonstrates nematicidal activity at 300 μg/ml.\(^5\)

**References**