
Product Data Sheet

Product Name: Pseurotin A

Cat. No.: GC18459

Chemical Properties

Cas. No. 58523-30-1

Chemical 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

SMILES O=C1N[C@](C(C2=CC=CC=C2)=O)(OC)[C@H](O)[C@@]31C(C(C)=C([C@@H](O)[C@@H](O)/C=C\CC)O3)=O

Formula	C ₂₂ H ₂₅ NO ₈	M.Wt	431.4
---------	---	------	-------

Solubility	Methanol: Soluble	Storage	Store at -20°C
------------	-------------------	---------	----------------

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Pseurotin A is a secondary metabolite produced by Aspergillus and other fungi. Its expression is induced in response to hypoxia. Pseurotin A is a secondary metabolite produced by Aspergillus and other fungi. Its expression is induced in response to hypoxia. Pseurotin A has been shown to inhibit IgE production by mouse B cells in culture (IC₅₀ = 3.6 μM) and dose-dependently (0.4-25 μg/ml) stimulate neuritogenic activity in rat pheochromocytoma PC12 cells. It also demonstrates nematicidal activity at 300 μg/ml.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
