

Product Data Sheet

Product Name: Pyridoxatin

Cat. No.: GC44786

Chemical Properties

Cas. No. 135529-30-5

SMILES C[C@H]1C[C@@H](C=C)[C@H](C2=C(O)C=CN(O)C2=O)[C@@H](C)C1

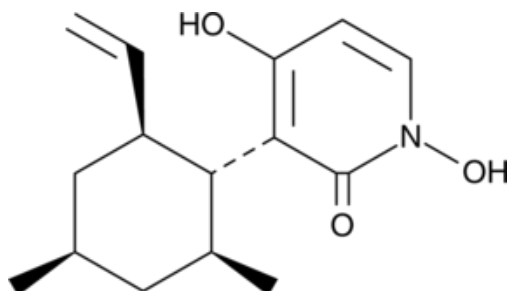
Formula C₁₅H₂₁NO₃ M.Wt 263.3

Solubility DMSO: soluble, 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

Pyridoxatin is a fungal metabolite originally isolated from *Acremonium* with diverse biological activities. It inhibits production of thiobarbituric acid reactive substance (TBARS) in vitro (IC₅₀ = 0.55 µg/ml). Pyridoxatin inhibits hemolysis induced by the free radical generator AAPH in rat erythrocytes (IC₅₀ = 1.95 µg/ml). It is active against *C. albicans* (MIC = 1.64 µg/ml). Pyridoxatin is cytotoxic in a panel of 21 cancer cell lines (EC₅₀s = 0.10-7.04 µg/ml). It also inhibits gelatinase A (IC₅₀ = 15.2 µM).

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

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