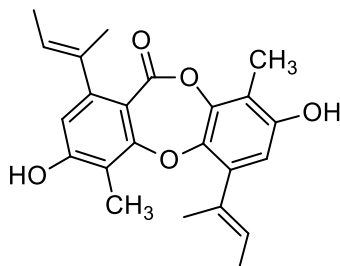


Folipastatin

Code No.: **BIA-F1699**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	: 139959-71-0
Molecular Formula	: C ₂₃ H ₂₄ O ₅
Molecular Weight	: 380.4
Source	: <i>Aspergillus unguis</i>
Appearance	: White to off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Folipastatin is a depsone metabolite first isolated from *Aspergillus unguis* by researchers at Sankyo, Japan in 1992 as an inhibitor of phospholipase A2. Folipastatin also possesses moderate antibiotic activity as against Gram positive bacteria. It is a component of a mixture of unguinol-related metabolites produced by *A. unguis* and *A. nidulins* patented as growth promotants in livestock. More recently, folipastatin was reported as an inhibitor of sterol O-acyltransferase (SOAT) 1 and 2 iso-enzymes in cell-based and enzyme assays.

References

1. 7-Chlorofolipastatin, an inhibitor of sterol O-acyltransferase, produced by marine-derived *Aspergillus unguis* NKH-007. Uchida R. et al., J. Antibiot. 2016, 69, 647.
2. Folipastatin, a new depsidone compound from *Aspergillus unguis* as an inhibitor of phospholipase A2: taxonomy, fermentation, isolation, structure determination and biological properties. Hamano K. et al., J. Antibiot. 1992, 45, 1195.
3. Unguinol and analogs as animal growth promoters. Feighner S.D. et al., US Patent 5350763, 1994.