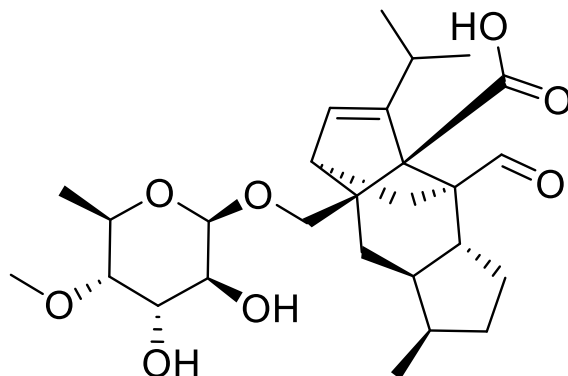


Sordarin

Code No.: **BIA-S3090**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 11076-17-8
Molecular Formula	: C ₂₇ H ₄₀ O ₈
Molecular Weight	: 492.6
Source	: <i>Sordaria</i> sp.
Appearance	: Tan solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol, DMSO.

Application Notes

Sordarin is a tetracyclic diterpene glycoside initially isolated from *Sordaria araneosa* by Hauser and Sigg in 1971. Sordarin derivatives were patented as fungicides by Merck and Co. in 1998. Sordarin selectively inhibits fungal protein synthesis by impairing the function of eukaryotic elongation factor 2 (eEF2). Mutations in ribosomal protein L10e confer resistance to sordarin.

References

1. Hauser D. & Sigg H.P. (1971). Sordarin. 1. Isolation and degradation of sordarin. *Helvetica Chim. Acta*, 54, 1178.
2. Justice M.C. et al. (1998). Elongation factor 2 as a novel target for selective inhibition of fungal protein synthesis. *J. Biol. Chem.*, 273, 3148.
3. Mutations in ribosomal protein L10e confer resistance to the fungal-specific eukaryotic elongation factor 2 inhibitor sordarin. Justice M.C. et al. *J Biol Chem.*, 274, 4869.
4. Merck & Co., Inc (1998). Preparation of sordarin derivatives as medical and agrochemical fungicides. WO9815178 A1 1998-04-16.

For in vitro laboratory use only. Not for human or animal use.