

Product Datasheet

Sordarin (orb3179587)

Catalog Number	orb3179587
Category	Small Molecules
Description	Sordarin (Compound 1) is an antifungal agent that targets elongation factor 2 (EF2) and features a tetracyclic diterpene core with a norbornene system. It can be isolated from the fungus Sordaria araneosa. Sordarin exhibits potent antifungal activity against Saccharomyces cerevisiae and Candida albicans. By stabilizing the ribosome/EF2 complex, Sordarin blocks ribosomal translocation along mRNA during nascent polypeptide chain elongation, thereby inhibiting fungal protein synthesis.
Target	Antifungal
MW	492.61
CAS Number	11076-17-8
Formula	C ₂₇ H ₄₀ O ₈
SMILES	<chem>C(O)(=O)[C@]12[C@@]3(CO[C@H]4[C@@H](O)[C@H](O)[C@H](OC)[C@@H](C)O4)[C@](C[C@]1(C=O)[C@]5([C@](C3)([C@H](C)CC5)[H])[H])(C=C2C(C)C)[H]</chem>
Note	For research use only
Expiration Date	12 months from date of receipt.

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