

Sordarin

Chemical Properties

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|-------------------|------------------------------------------------------------------------------------------------------------------------------------|
| CAS No. : | 11076-17-8 |
| Formula: | C ₂₇ H ₄₀ O ₈ |
| Molecular Weight: | 492.61 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |

Biological Description

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| 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 <i>Sordaria araneosa</i> . Sordarin exhibits potent antifungal activity against <i>Saccharomyces cerevisiae</i> and <i>Candida albicans</i> . By stabilizing the ribosome/EF2 complex, Sordarin blocks ribosomal translocation along mRNA during nascent polypeptide chain elongation, thereby inhibiting fungal protein synthesis. |
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Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 2.030 mL | 10.150 mL | 20.300 mL |
| 5 mM | 0.406 mL | 2.030 mL | 4.060 mL |
| 10 mM | 0.203 mL | 1.015 mL | 2.030 mL |
| 50 mM | 0.0406 mL | 0.203 mL | 0.406 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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