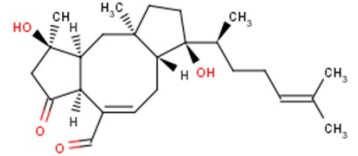


Data Sheet (Cat.No.T12313)

Ophiobolin B

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 5601-74-1 |
| Formula: | C ₂₅ H ₃₈ O ₄ |
| Molecular Weight: | 402.57 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|--|
| Description | Ophiobolin B is a sesterterpene <i>Helminthosporium oryzae</i> metabolite, inhibits proton extrusion from maize coleoptiles. |
| Targets(IC ₅₀) | Others: None |

Solubility Information

| | |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|----------|----------|
| 1 mM | 2.484 mL | 12.42 mL | 24.84 mL |
| 5 mM | 0.497 mL | 2.484 mL | 4.968 mL |
| 10 mM | 0.248 mL | 1.242 mL | 2.484 mL |
| 50 mM | 0.05 mL | 0.248 mL | 0.497 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Gianani L, et al. Effects of ophiobolin B on cell enlargement and H(+)/K (+) exchange in maize coleoptile tissues. *Planta*. 1979 Jan;146(3):271-4.
- Krizsán K, et al. Effect of the sesterterpene-type metabolites, ophiobolins A and B, on zygomycetes fungi. *FEMS Microbiol Lett*. 2010 Dec;313(2):135-40.

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