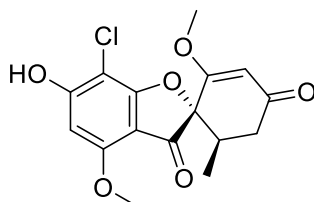


6-O-Demethylgriseofulvin

Code No.: **BIA-D2554**

Pack sizes: **0.25 mg, 1 mg**



Synonyms : 6-Desmethylgriseofulvin, 6-O-Demethyl Griseofulvin

Specifications

CAS #	: 20168-88-1
Molecular Formula	: C ₁₆ H ₁₅ ClO ₆
Molecular Weight	: 338.74
Source	: <i>Penicillium sp.</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

6-O-Demethylgriseofulvin is one of two demethyl metabolites of griseofulvin produced by oxidative metabolism in vivo. Griseofulvin is a potent antifungal that acts by binding to fungal tubulin and inhibiting the mitotic spindle.

References

1. Synthesis in the griseofulvin series. III. Chloro analogs and 6'-demethylgriseofulvin. Taub D. et al. *Angewandte Chemie* 1962, 74, 586.
2. Oxidative demethylation of carbon-14-labeled griseofulvin by liver microsomes of rats and mice. Chang R.L. et al. *Biochem Pharmacol.* 1973, 22, 1389.
3. Griseofulvin inhibits fungal mitosis. Gull K. & Trinci A.P.J. *Nature* 1973, 244, 292.