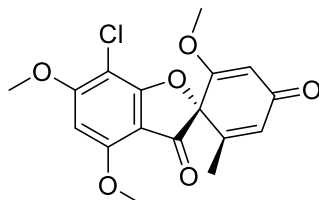


Dehydrogriseofulvin

Code No.: **BIA-D2553**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms : Amudene, Dehydrogriseofulvin

Specifications

CAS #	: 3573-90-8
Molecular Formula	: C ₁₇ H ₁₅ ClO ₆
Molecular Weight	: 350.75
Source	: <i>Penicillium sp.</i>
Appearance	: Beige solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Dehydrogriseofulvin is the biosynthetic precursor of the spirobenzofuran antifungal, griseofulvin, produced by *Penicillium sp.*. Griseofulvin itself is a potent antifungal that acts by binding to fungal tubulin and inhibiting the mitotic spindle.

References

1. Microbial transformation of dehydrogriseofulvin and griseofulvin: Deuterium NMR and mass spectrometric studies of stereochemical courses of microbial hydrogenation and hydroxylation. Sato Y. et al. J Chem Soc Chem Comm. 1977, 12, 415.
2. Biosynthesis of griseofulvin. Harris C.M. et al. J Am Chem Soc. 1976, 98, 5380.
3. Griseofulvin inhibits fungal mitosis. Gull K. & Trinci A.P.J. Nature 1973, 244, 292.