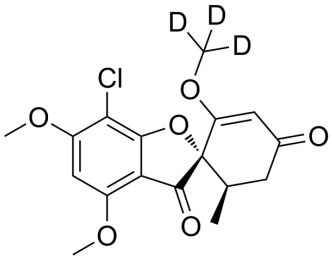
Griseofulvin-d_3

Cat. No.:	HY-17583S
CAS No.:	1279033-22-5
Molecular Formula:	$C_{17}H_{14}D_3ClO_6$
Molecular Weight:	355.78
Target:	Fungal; Apoptosis; Endogenous Metabolite; Antibiotic; Isotope-Labeled Compounds
Pathway:	Anti-infection; Apoptosis; Metabolic Enzyme/Protease; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Griseofulvin-d_3 is the deuterium labeled Griseofulvin. Griseofulvin (Gris-PEG) is a spirocyclic fungal natural product used in treatment of fungal dermatophytes; Antifungal agent[1][2].
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

[2]. Brilhante RSN, et al. In vitro activity of azole derivatives and griseofulvin against planktonic and biofilm growth of clinical isolates of dermatophytes. Mycoses. 2018 Jul;61(7):449-454.

[3]. Schmeel LC, et al. Griseofulvin Efficiently Induces Apoptosis in In Vitro Treatment of Lymphoma and Multiple Myeloma. Anticancer Res. 2017 May;37(5):2289-2295.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA