

Product Data Sheet

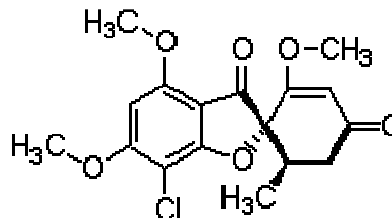
Cat # ABT-270-010
Cat # ABT-270-100

Griseofulvin (Pharma Grade)
Griseofulvin (Pharma Grade)

Size: 10 g
Size: 100 g

General Information

Griseofulvin is an antifungal drug that is administered orally. It is used both in animals and in humans, to treat fungal infections of the skin and nails. It is derived from the mold *Penicillium griseofulvum*. The drug binds to tubulin, interfering with microtubule function, thus inhibiting mitosis. It binds to keratin in keratin precursor cells and makes them resistant to fungal infections. It is only when hair or skin is replaced by the keratin-griseofulvin complex that the drug reaches its site of action. Griseofulvin will then enter the dermatophyte through energy dependent transport processes and bind to fungal microtubules. This alters the processing for mitosis and also underlying information for deposition of fungal cell walls.



Molecular Formula:
C₁₇H₁₇ClO₆
Molecular Weight:
352.77 g/mol

Analysis Test	Specification	Results
Description	white or almost white powder	white powder
Identification	Comply with the standard	Complies
Specific optical rotation	+352°~+367°	+357°
Melting point	218°C ~224°C	218.5°C ~220.0°C
Granularity	below 5µm≥85% above 50µm≤5grains	Complies
Solubility	50 mg/ml, DMF	Faint yellow to yellow-clear
Loss on drying	≤0.5%	0.3%
Residue on ignition	≤0.2%	0.08%
Related substances(dried substance)	Dechlorgriseofulvin≤2.5%	Complies
	Dehydrogriseofulvin≤0.75%	
	Other total impurities≤1.5%≤1.0%	
Assay(on dried basis)	≥95%	97%

ABT-270-010

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