



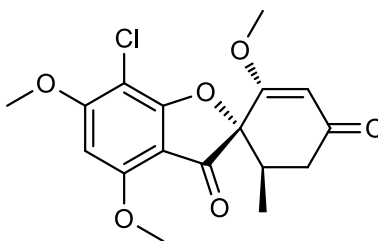
Catalog # 10-2745

Griseofulvin (+)

126-07-8

Fermentation product from *Penicillium* sp.

Lot # X101722



Antifungal antimitotic agent. Induces apoptosis of human germ cell tumor cells via disruption of connexin 43/tubulin association concomitant with enhanced translocation of connexin 43 from the cytoplasm to the nucleus¹. Inhibits the growth of adrenocortical cancer cells *in vitro*². Inhibits centrosome clustering, induces spindle multipolarity, mitotic arrest and cell death in multiple tumor cell lines but not in diploid fibroblasts and keratinocytes with normal centrosome content³.

- 1) Mauro *et al.* (2013), *The anti-mitotic drug griseofulvin induces apoptosis of human germ cell tumor cells through a connexin 43-dependent molecular mechanism*; Apoptosis, **18** 480
- 2) Bramann *et al.* (2013), *Griseofulvin inhibits the growth of adrenocortical cancer cells in vitro*; Horm. Metab. Res., **45** 297
- 3) Rebacz *et al.* (2007), *Identification of griseofulvin as an inhibitor of centrosomal clustering in a phenotype-based screen*; Cancer Res., **67** 6342

PHYSICAL DATA

Molecular Weight:	352.77
Molecular Formula:	C ₁₇ H ₁₇ ClO ₆
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 40 mg/ml), or Ethanol (up to 5 mg/ml), or DMF (up to 50 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in DMSO, ethanol or DMF may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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