

## Griseofulvin, Centrosomal clustering inhibitor

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Catalog	Unit
TBI2745-100MG	100 mg
TBI2745-500MG	500 mg

### Product Details

**Formal Name:** Fermentation product from *Penicillium* sp.

**Molecular Formula:** C<sub>17</sub>H<sub>17</sub>ClO<sub>6</sub>

**Formula Weight:** 352.77

**CAS Number:** 126-07-8

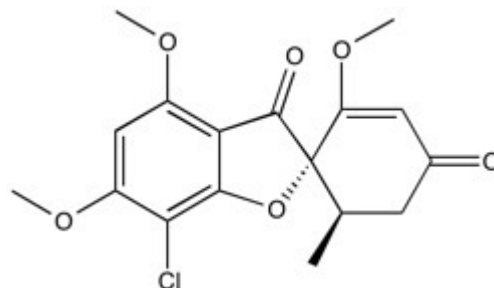
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 40 mg/ml), in DMF (up to 50 mg/ml), or in Ethanol (up to 5 mg/ml).

**Storage:** RT

**Stability:** ≥ 1 year.



### Applications

Centrosomal clustering inhibitor

### Functions

Antifungal antimetabolic 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 nucleus. Inhibits the growth of adrenocortical cancer cells in vitro. 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 content.

### Application Procedures

First dissolved in DMSO (up to 40 mg/ml), in DMF (up to 50 mg/ml), or in Ethanol (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO, DMF or ethanol may be stored at -20°C for up to 3 months.

**For research use only.**