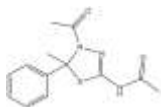


**PRODUCT: K858****ALTERNATE NAME:** N-(4-acetyl-5-methyl-5-phenyl-4,5-dihydro-1,3,4-thiadiazol-2-yl)acetamide**CATALOG #:** B1073-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>13</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>S**MOLECULAR WEIGHT:** 277.34**CAS NUMBER:** 72926-24-0**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (>20 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** K858 is a selective ATP-uncompetitive mitotic kinesin Eg5 inhibitor (IC<sub>50</sub> = 1.3 μM) and an antitumor agent. Induces cell death in cancer cells, blocks centrosome separation, activates the spindle checkpoint, and induces mitotic arrest in cells accompanied by the formation of monopolar spindles.**REFERENCES:** Nakai, R., *et al.* (2009). *Cancer Res.* **69**, 3901-3909.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

ABT751 (Cat. No. 2836-5, 25)  
Colchicine (**Cat. No. 1519-1000**)  
Combretastatin A (**Cat. No. 2239-10, 50**)  
Docetaxel (**Cat. No. 2232-10, 50**)  
ELR-510444 (**Cat. No. 9433-5,25**)  
Epothilone B (**Cat. No. 2012-1,5**)  
Nocodazole (**Cat. No. 2185-10, 50**)  
Paclitaxel (**Cat. No. 1567-25**)  
Podophyllotoxin (**Cat. No. 2767-50**)  
Pseudolaric acid B (**Cat. No. 2512-1, 5**)  
SB715992 (**Cat. No. 2468-5, 25**)  
Tamoxifen Citrate (**Cat. No. 1551-1000**)  
Vinblastin sulfate (**Cat. No. 1959-5, 25**)  
Vinorelbine tartrate (**Cat. No. 1957-5, 25**)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**