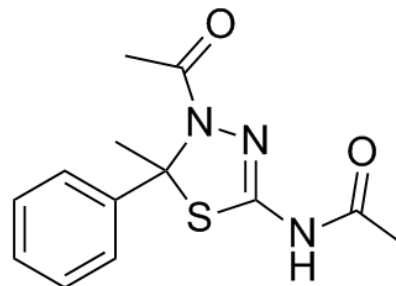


Product Name : K-858
Cat. No. : PC-45767
CAS No. : 72926-24-0
Molecular Formula : C₁₃H₁₅N₃O₂S
Molecular Weight : 277.3421
Target : Kinesin
Solubility : 10 mM in DMSO



Biological Activity

A potent, selective inhibitor of mitotic kinesin Eg5 ATPase activity with IC₅₀ of 1.3 μM; displays >150-fold more selective for Eg5 than other members of the kinesin superfamily; induces mitotic arrest, apoptosis, and cell growth inhibition through the activation of the Mad2-mediated spindle checkpoint, and has no effect on microtubule polymerization; exhibits potent antitumor activity in xenograft models of cancer, and induces the accumulation of mitotic cells with monopolar spindles in tumor tissues.

Breast Cancer

Preclinical

References

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De Iuliis F, et al. Invest New Drugs. 2016 Aug;34(4):399-406.

De Monte C, et al. Eur J Med Chem. 2015 Nov 13;105:245-62.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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