For Research Use Only K858 (Racemic)



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Catalog Number: CM04933

产品信息

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CAS号: 72926-24-0

分子式: C₁₃H₁₅N₃O₂S

Kinesin|Apoptosis

主要通路: 凋亡|细胞骨架

分子量: 277.34 溶解度:

DMSO:27.7 mg/mL(100 mM)

Eg5:1.3 μ M

体外活性

K858 is an ATP-uncompetitive inhibitor of Eg5 that is at least 150-fold more selective for Eg5 than other members of the kinesin superfamily. K858 induces mitotic arrest and growth inhibition through the activation of the Mad2-mediated spindle checkpoint. K858 induces mitotic cell death in Y cells but not in normal cells. K858 induces mitotic arrest, apoptosis, and cell growth inhibition and has no effect on microtubule polymerization.

体内活性

 $K858\ exhibits\ antitumor\ activity\ and\ induces\ mitotic\ arrest\ in\ a\ human\ tumor\ xenograft\ mouse\ model.\ K858\ exhibits\ antitumor\ xenograft\ mouse\ model.\ K858\ exhibits\ model\ mod$

antitumor activity and induces mitotic arrest in human xenograft tumor models. [1]

K858 Racemic (K858) is a selective mitotic kinesin Eg5 inhibitor which acts in an ATP-noncompetitive manner.

Powder: -20°C for 3 years | In solvent: -80°C for 2 years