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## Product Datasheet

### K-858, CAS [[72926-24-0]] FBM-10-1312

Article Name	K-858, CAS [[72926-24-0]]
Biozol Catalog Number	FBM-10-1312
Supplier Catalog Number	10-1312
Alternative Catalog Number	FBM-10-1312-5MG, FBM-10-1312-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Kinesin Eg5 inhibitor...
Molecular Weight	277.35
Purity	98% by TLC, NMR( conforms)
Form	White solid
CAS Number	[72926-24-0]
Formula	C13H15N3O2S
Application Notes	Selective mitotic kinesin Eg5 inhibitor (IC50 = 1.3 $\mu$ M) which acts in an ATP-noncompetitive manner <sup>1,2</sup> . It is at least 150-fold more selective for Eg5 than other members of the kinesin superfamily. K858 blocks centrosome separation, activates the spindle checkpoint and induces mitotic arrest accompanied by the formation of monopolar spindles. Displays no effect on microtubule polymerization. Selectively displays antiproliferative effects via induction of mitotic cell death in cancer cells over nontransformed cells <sup>1</sup> .