
Product Data Sheet

Product Name: UA 62784

Cat. No.: GC50056

Chemical Properties

Cas. No. 313367-92-9

SMILES O=C2C1=CC=CC(C4=NC=C(C5=CC=C(OC)C=C5)O4)=C1C3=C2C=CC=C3Formula C₂₃H₁₅NO₃ M.Wt 353.37

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Inhibitor of microtubule polymerization in vitro. Interacts with tubulin dimers and promotes the accumulation of mammalian cells in apoptosis. Potentiates antiproliferative effects of vinblastine in H2B-GFP HeLa cells. Originally thought to inhibit CENP-E ATPase activity.

Tcherniuk et al (2011) UA62784 is a cytotoxic inhibitor of microtubules, not CENP-E. Chem.Biol. 18 631 PMID:21609844 | Maiato and Logarinho et al (2011) Motor-dependent and -independent roles of CENP-E at kinetochores: the cautionary tale of UA62784. Chem.Biol. 18 679 PMID:21700202

Caution: Product has not been fully validated for medical applications. For research use only.

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