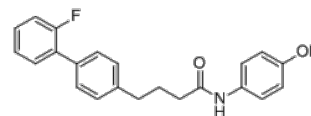


Product Name : CMPD1
Cat. No. : PC-70148
CAS No. : 41179-33-3
Molecular Formula : C₂₂H₂₀FNO₂
Molecular Weight : 349.4
Target : MAPKAPK2 (MK2)
Solubility : 10 mM in DMSO



Biological Activity

CMPD1 is a potent, selective, non-ATP-competitive inhibitor of p38 α -mediated MAPK-activated protein kinase 2 (**MK2**, MAPKAPK2) phosphorylation with apparent K_i of 330 nM.

CMPD1 dose not prevents p38 α -mediated phosphorylation of MBP and ATF-2.

CMPD1 induces a significant G2/M arrest, also inhibits tubulin polymerization in glioblastoma cells.

References

Davidson W, et al. *Biochemistry*. 2004 Sep 21;43(37):11658-71.

Gurgis F, et al. *Cell Death Discov*. 2015 Sep 7;1:15028.

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

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