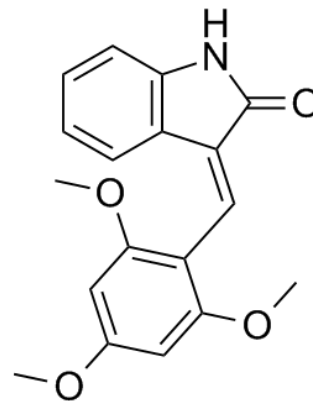


Product Name : IC261
Cat. No. : PC-43200
CAS No. : 186611-52-9
Molecular Formula : C₁₈H₁₇NO₄
Molecular Weight : 311.3319
Target : Casein Kinase
Solubility : DMSO: ≥ 33 mg/mL



Biological Activity

IC261 (IC-261, SU-5607) is a potent, specific, ATP-competitive CK1delta/epsilon (CK1δ/CK1ε) with IC₅₀ of 1 μM, does not block the activity of α, β and γ isoforms.

IC261 specifically blocks phosphorylation in vivo of the CK1delta/epsilon phosphorylation sites in p53 in murine SV3T3 cells, inhibits cytokinesis causing a transient mitotic arrest.

IC261 reduces pancreatic tumour cell growth in vitro and in vivo, decreases the expression levels of several anti-apoptotic proteins and sensitises cells to CD95-mediated apoptosis.

References

- Knippschild U, et al. *Oncogene*. 1997 Oct 2;15(14):1727-36.
Behrend L, et al. *Oncogene*. 2000 Nov 9;19(47):5303-13.
Mashhoon N, et al. *J Biol Chem*. 2000 Jun 30;275(26):20052-60.
Brockschmidt C, et al. *Gut*. 2008 Jun;57(6):799-806.

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

E-mail: tech@probechem.com