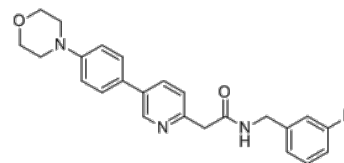


Product Name : KX2-361
Cat. No. : PC-63531
CAS No. : 897016-26-1
Molecular Formula : C₂₄H₂₄FN₃O₂
Molecular Weight : 405.473
Target : Src
Solubility : 10 mM in DMSO



Biological Activity

KX2-361 (KX 02) is a potent, orally active dual **Src signaling/tubulin polymerization** inhibitor, KX2-361 is a non-ATP competitive Src inhibitor, demonstrates broad anti-tumor activity both in vitro and in vivo.

KX2-361 binds to tubulin and disrupts microtubule architecture in cells.

KX2-361 (200 nM) reduced autophosphorylation of Src at tyrosine 416, consistent with reduced Src signaling activity.

KX2-361 (5 μM) inhibits the in vitro assembly of tubulin polymers.

KX2-361 disrupts the microtubule network resulting in altered morphology, loss of microtubule integrity, and a general reduction in cell size in intact GL261 cells.

KX2361 promotes cell cycle arrest and apoptosis.

KX2361 significantly delays progression of orthotopic GL261 brain tumors and produces long term survival.

References

Smolinski MP, et al. *J Med Chem.* 2018 Apr 17. doi: 10.1021/acs.jmedchem.8b00164.

2 Ciesielski MJ, et al. *J Neurooncol.* 2018 Dec;140(3):519-527.

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

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