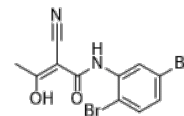


Product Name : LFM-A13
Cat. No. : PC-25783
CAS No. : 62004-35-7
Molecular Formula : C₁₁H₈Br₂N₂O₂
Molecular Weight : 360.0014
Target : BTK
Solubility : 10 mM in DMSO



Biological Activity

LFM-A13 is a highly specific inhibitor of BTK with K_i of 1.4 μM, IC₅₀ of 17.2 μM, shows no activity against EGFR, IRK, JAK1, JAK3, or HCK.

LFM-A13 enhances the sensitivity to ceramide- or vincristine-induced apoptosis in BTK+ B-lineage leukemic cells; prolongs the median survival time of VPL-treated mice.

LFM-A13 also inhibits PIK3 with IC₅₀ of 61 μM, prevented bipolar mitotic spindle assembly in human breast cancer cells and glioblastoma cells, delays tumor progression in MMTV/neu transgenic mouse model of HER2 positive breast cancer.

References

Mahajan S, et al. J Biol Chem. 1999 Apr 2;274(14):9587-99.

Uckun FM, et al. Bioorg Med Chem. 2007 Jan 15;15(2):800-14.

Uckun FM, et al. Clin Cancer Res. 2002 May;8(5):1224-33.

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

E-mail: tech@probechem.com