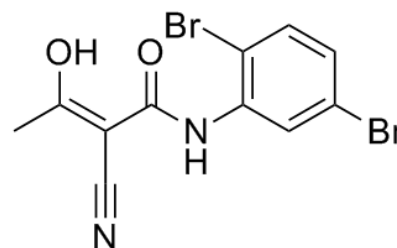


Product Name : LFM-A13
Cat. No. : PC-45399
CAS No. : 244240-24-2
Molecular Formula : C₁₁H₈Br₂N₂O₂
Molecular Weight : 360.0014
Target : BTK
Solubility : DMSO: ≥ 42 mg/mL



Biological Activity

LFM-A13 is a highly specific inhibitor of **BTK** with K_i of 1.4 μ M, IC_{50} of 17.2 μ M, 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 PI3K with IC_{50} of 61 μ M, 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

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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!

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