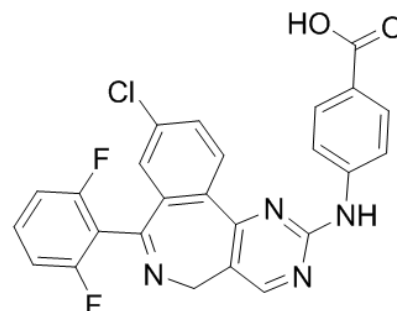


Product Name : MLN8054
Cat. No. : PC-42424
CAS No. : 869363-13-3
Molecular Formula : C₂₅H₁₅ClF₂N₄O₂
Molecular Weight : 476.862
Target : Aurora Kinase
Solubility : 10 mM in DMSO



Biological Activity

MLN8054 is a potent, selective, ATP-competitive, orally active **Aurora A** kinase inhibitor with IC₅₀ of 4 nM. MLN8054 displays >40-fold selectivity over Aurora B, and >100-fold selectivity over a panel of kinases. MLN8054 causes G(2)/M accumulation and spindle defects and inhibits proliferation in multiple cultured human tumor cell lines. MLN8054 dramatically inhibits the growth of human tumor xenografts in nude mice.

References

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Hoar K, et al. *Mol Cell Biol*. 2007 Jun;27(12):4513-25.
Dar AA, et al. *Cancer Res*. 2008 Nov 1;68(21):8998-9004.
Macarulla T, et al. *Mol Cancer Ther*. 2010 Oct;9(10):2844-52.

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

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