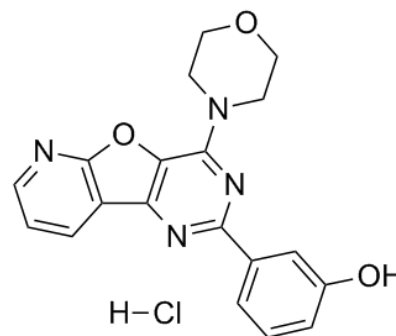


Product Name : PI-103 hydrochloride
Cat. No. : PC-42329
CAS No. : 371935-79-4
Molecular Formula : C₁₉H₁₇ClN₄O₃
Molecular Weight : 384.8163
Target : PI3K
Solubility : DMSO: 4.1 mg/mL; H₂O: < 4 mg/mL
4. Kojima K, et al. Leukemia. 2008 Sep;22(9):1728-36.



Biological Activity

A potent, dual class I PI3K/mTOR inhibitor with IC₅₀ of 2/3/3/15/ for p110α/β/δ/γ, respectively; also inhibits TORC1 (>80% inhibition at 0.5 μM) and DNA-PK (IC₅₀=14 nM), 15- to 20-fold less activity against class II PI3K C2β (IC₅₀=43 nM), >1,300-fold selectivity over the class III PI3K Vsp34; potently inhibits proliferation and invasion of a wide variety of human cancer cells in vitro; shows activity in cancer xenograft models.

References

- Fan QW, et al. Cancer Cell. 2006 May;9(5):341-9.
Raynaud FI, et al. Cancer Res. 2007 Jun 15;67(12):5840-50.
Fan QW, et al. Cancer Res. 2007 Sep 1;67(17):7960-5.

