

Data Sheet

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 Product Name
 :
 GDC-0941

 Cat. No.
 :
 PC-45820

 CAS No.
 :
 957054-30-7

 Molecular Formula
 :
 C₂₃H₂₇N₇O₃S₂

 Molecular Weight
 :
 513.6356

Target : PI3K

Solubility : DMSO: ≥ 29 mg/mL

Biological Activity

Pictilisib (GSC-0941) is a potent, selective, orally bioavailable inhibitor of **class I PI3Ks** with IC50 of 3/33/3/75 nM for p110 α / β / γ / δ , respectively.

Pictilisib (GSC-0941) shows similar activity for mutant p110 α E545K and H1047R (IC50=3 nM), weak or little activity for C2 α , Vps34, DNA-PK, and mTOR (IC50>500 nM).

Pictilisib (GSC-0941) inhibits Akt (Ser473) phosphorylation in U87MG, PC3, and MDA-MB-361 cells with IC50s of 46, 37, and 28 nM, respectively, and respective GI50 is 0.95, 0.28, and 0.72 uM.

Pictilisib (GSC-0941) exhibits tumor growth inhibition in U87MG human glioblastoma xenografts.

References

Folkes AJ, et al. *J Med Chem*. 2008 Sep 25;51(18):5522-32.

Junttila TT, et al. *Cancer Cell*. 2009 May 5;15(5):429-40.

Raynaud FI, et al. *Mol Cancer Ther.* 2009 Jul;8(7):1725-38.

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

E-mail: tech@probechem.com