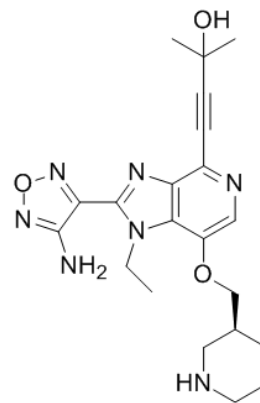


Product Name : GSK-690693
Cat. No. : PC-42484
CAS No. : 937174-76-0
Molecular Formula : C₂₁H₂₇N₇O₃
Molecular Weight : 425.4842
Target : Akt
Solubility : 10 mM in DMSO



Biological Activity

GSK-690693 (GSK690693) is a potent, ATP competitive, **pan-AKT** inhibitor with IC₅₀ of 2, 13, and 9 nM against AKT1, 2, and 3, respectively.

GSK-690693 (GSK690693) also inhibits additional members of the AGC kinase family (PKA, PrkX, and PKC isozymes, IC₅₀s < 100 nM).

GSK-690693 (GSK690693) dose-dependently reduces the phosphorylation GSK3 beta, PRAS40 and Forkhead, inhibits proliferation and induces apoptosis in a subset of tumor cells.

GSK-690693 (GSK690693) exhibits significant antitumor activity in mice model.

References

Heerding DA, et al. *J Med Chem.* 2008 Sep 25;51(18):5663-79.

Rhodes N, et al. *Cancer Res.* 2008 Apr 1;68(7):2366-74.

Levy DS, et al. *Blood.* 2009 Feb 19;113(8):1723-9.

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

E-mail: tech@probechem.com