

Product Name : GSK-690693

Synonyms : GSK 690693; GSK690693

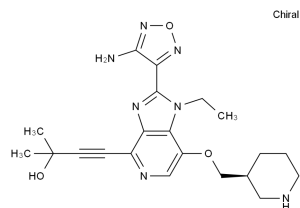
Cat No. : M16713

CAS Number : 937174-76-0

Molecular Formula : C₂₁H₂₇N₇O₃

Formula Weight : 425.48

Chemical Name : 3-Butyn-2-ol, 4-[2-(4-amino-1,2,5-oxadiazol-3-yl)-1-ethyl-7-[(3S)-3-piperidinylmethoxy]-1H-imidazo[4,5-c]pyridin-4-yl]-2-methyl-



Description : A potent, ATP competitive, pan-AKT inhibitor with IC₅₀ of 2, 13, and 9 nM against AKT1, 2, and 3, respectively; also inhibits additional members of the AGC kinase family (PKA, PrkX, and PKC isozymes, IC₅₀s < 100 nM); dose-dependently reduces the phosphorylation GSK3 beta, PRAS40 and Forkhead, inhibits proliferation and induces apoptosis in a subset of tumor cells; exhibits significant antitumor activity in mice model. Blood Cancer Phase 1 Discontinued

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : Akt

Receptor : Akt1; Akt3; PKC η ; PKC θ ; PrkX

Solubility : 10 mM in DMSO

SMILES : CC(O)(C)C#CC1=NC=C(OC[C@H]2CNCCC2)C3=C1N=C(C4=NON=C4N)N3CC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Heerding DA, et al. J Med Chem. 2008 Sep 25;51(18):5663-79. | 2. Rhodes N, et al. Cancer Res. 2008 Apr 1;68(7):2366-74. | 3. Levy DS, et al. Blood. 2009 Feb 19;113(8):1723-9.