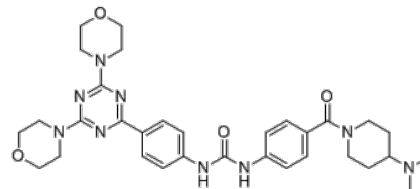


Product Name : Gedatolisib
Cat. No. : PC-60057
CAS No. : 1197160-78-3
Molecular Formula : C₃₂H₄₁N₉O₄
Molecular Weight : 615.72
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

Gedatolisib (PF-05212384, PKI-587) is a highly potent, selective, dual **PI3K/mTOR** inhibitor with IC₅₀ of 0.4/6/8/6/1.6 nM for PI3K α / β / γ / δ /mTOR, respectively.

PF-05212384 also potently inhibits PI3K α mutant H1047R and E545K with IC₅₀ of 0.6 and 0.6 nM.

PF-05212384 prevents the pAkt at Thr 308 with IC₅₀ of 8 nM, and suppresses pAkt S473 with IC₅₀ of <10 nM in cells.

PF-05212384 demonstrates antitumor efficacy in both subcutaneous and orthotopic xenograft tumor models.

References

Venkatesan AM, et al. *J Med Chem.* 2010 Mar 25;53(6):2636-45.

Mallon R, et al. *Clin Cancer Res.* 2011 May 15;17(10):3193-203.

Gedaly R, et al. *J Surg Res.* 2013 Nov;185(1):225-30.

D'Amato V, et al. *Br J Cancer.* 2014 Jun 10;110(12):2887-95.

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

E-mail: tech@probechem.com