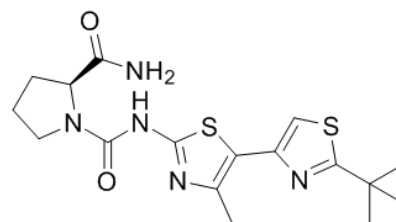


Product Name : A66
Cat. No. : PC-43441
CAS No. : 1166227-08-2
Molecular Formula : C₁₇H₂₃N₅O₂S₂
Molecular Weight : 393.53
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

A66 (p110 α inhibitor A66) is a potent, highly specific **p110 α** inhibitor with IC₅₀ of 32, 30 and 43 nM for wt p110 α , p110 α E545K and p110 α H1047R, respectively.

A66 displays little to no activity against p110 β / γ / δ (IC₅₀>3,000 nM), as well as class-III PI3Ks, mTOR, DNA-PK, and PI4K α / β . A66 induces reduction in focus formation CEF by the highly transforming iSH2 mutants KS459delN, DKRMNS560del, and K379E, blocks PI3K signalling and tumour growth in certain cell types.

References

Jamieson S, et al. *Biochem J.* 2011 Aug 15;438(1):53-62.

Sun M, et al. *Proc Natl Acad Sci U S A.* 2010 Aug 31;107(35):15547-52.

Weigelt B, et al. *Clin Cancer Res.* 2013 Jul 1;19(13):3533-44.

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

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