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Data Sheet

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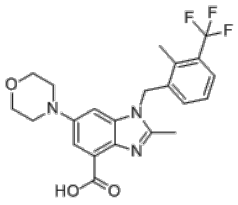
Product Name	:	GSK2636771
Cat. No.	:	PC-21944
CAS No.	:	1372540-25-4
Molecular Formula	:	$C_{22}H_{22}F_3N_3O_3$
Molecular Weight	:	433.43
Target	:	PI3K
Solubility	:	10 mM in DMSO



Biological Activity

GSK2636771 is a potent, selective and orally bioavailable inhibitor of PI3Kβ with Ki/IC50 of 0.89/5.2 nM, respectively. GSK2636771 displays 900-fold selectivity over p110α and p110γ, and 10-fold selectivity over p110δ isoforms. GSK2636771 causes cell viability significantly more decreased in the control cells (p110β-reliant PTEN-deficient PC3 prostate and BT549 and HCC70 breast cancer cell lines) than in PTEN-mutant and PTEN wild-type EEC cells. GSK2636771 decreases AKT phosphorylation in prostate and breast cancer cell lines, suppresses cell and tumor growth in vivo.

References

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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