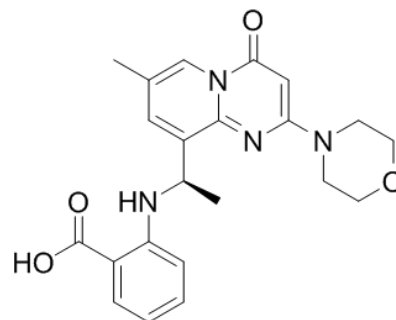


Product Name : AZD6482
Cat. No. : PC-42544
CAS No. : 1173900-33-8
Molecular Formula : C₂₂H₂₄N₄O₄
Molecular Weight : 408.4503
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

AZD6482 (KIN193) is a potent, selective and ATP competitive **PI3K β** inhibitor with IC₅₀ of 10 nM.
AZD6482 (KIN193) displays weak activity over PI3K δ /PI3K α /PI3K γ /DNA-PK (IC₅₀=80/870/1090/420 nM).
AZD6482 (KIN193) potently inhibits Akt(Ser 473) phosphorylation in adenocarcinoma MDA-MB-468 cells (IC₅₀=40 nM).
AZD6482 (KIN193) inhibits insulin-induced human adipocyte glucose uptake in vitro (IC₅₀=4.4 μ M).

References

- Giordanetto F, et al. *Bioorg Med Chem Lett*. 2014 Aug 15;24(16):3936-43.
Nylander S, et al. *J Thromb Haemost*. 2012 Oct;10(10):2127-36.
Laurent PA, et al. *Blood*. 2015 Jan 29;125(5):881-8.

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

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