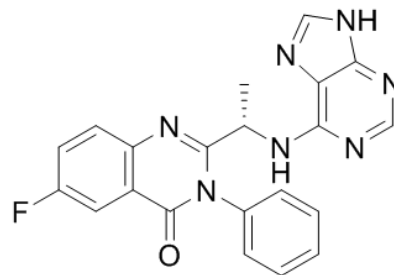


Product Name : Acalisib
Cat. No. : PC-43131
CAS No. : 870281-34-8
Molecular Formula : C₂₁H₁₆N₇O
Molecular Weight : 401.3965
Target : PI3K
Solubility : DMSO: ≥ 29 mg/mL



Biological Activity

Acalisib (GS-9820, CAL-120) is a potent, isoform-selective PI3K **p110δ** with IC₅₀ of 12.7 nM, displays >100-fold selectivity over P110α/β/γ, and other class II/III PI3Ks, DNA-PK, mTOR.

Acalisib (GS-9820, CAL-120) inhibits anti-FCεRI PI3Kδ induced CD63 expression with IC₅₀ of 14 nM in human whole blood with IC₅₀ of 14 nM.

Acalisib (GS-9820, CAL-120) induces osteoclast retraction in rat osteoclasts, disrupts actin belts and blocks RANKL-stimulated osteoclast survival.

References

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Lopez-Guadamillas E, et al. *Aging (Albany NY)*. 2016 Nov 4;8(11):2747-2753.

Kater AP, et al. *Blood Cancer J*. 2018 Feb 12;8(2):16.

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

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