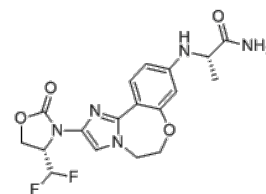


Product Name : Inavalisib
Cat. No. : PC-63379
CAS No. : 2060571-02-8
Molecular Formula : C₁₈H₁₉F₂N₅O₄
Molecular Weight : 407.378
Target : PI3K
Solubility : DMSO: 100 mg/mL



Biological Activity

GDC-0077 (Inavalisib, RG-6114) is a potent, highly isoform selective inhibitor of **PI3K α** , with IC₅₀ of 0.038 nM.

GDC-0077 displays >300-fold selective over β , δ , and γ isoforms, as well as PIKK-family proteins such as mTOR, DNA-PK and VPS34.

GDC-0077 induces depletion of mutant PI3K alpha protein resulting in reduction of PI3K pathway biomarkers such as pAkt and pPRAS40, inhibition of cell proliferation and increased apoptosis in human PIK3CA mutant breast cancer cell lines to a greater extent when compared to PIK3CA wild-type cells.

GDC-0077 causes tumor regressions in cell-culture-derived and patient derived PIK3CA mutant breast cancer xenograft models.

References

Kyle Edgar, et al. Abstract 156: Preclinical characterization of GDC-0077, a specific PI3K alpha inhibitor in early clinical development. AACR July 2017.

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

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