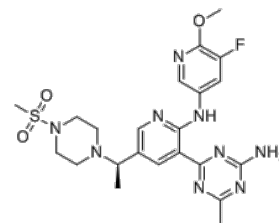


Product Name : AMG511
Cat. No. : PC-60983
CAS No. : 253573-53-3
Molecular Formula : C₂₂H₂₈FN₉O₃S
Molecular Weight : 517.584
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

AMG511 (AMG-511) potent, efficacious, and orally available pan **class I PI3K** inhibitor with K_i of 4/6/2/1 nM for PI3K α / β / δ / γ , respectively.

AMG511 displays high selectivity over other members of the closely related PIKK family of kinases, including mTOR, hVPS34 and PI4Ks, as well as a panel of 370 protein kinases ($IC_{50} > 1$ μ M).

AMG511 inhibits AKT (Ser473) phosphorylation in U87 MG glioblastoma cells with IC_{50} of 4 nM.

AMG511 potently blocks the targeted PI3K pathway in mouse liver pharmacodynamic model and inhibits tumor growth in U87 malignant glioma glioblastoma xenograft model.

References

Norman MH, et al. *J Med Chem.* 2012 Sep 13;55(17):7796-816.

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

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