

GNE-477

Catalog No: tcsc3359



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg



Specifications

CAS No:

1032754-81-6

Formula:

$C_{21}H_{28}N_8O_3S_2$

Pathway:

PI3K/Akt/mTOR;PI3K/Akt/mTOR

Target:

PI3K;mTOR

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

504.63

Product Description

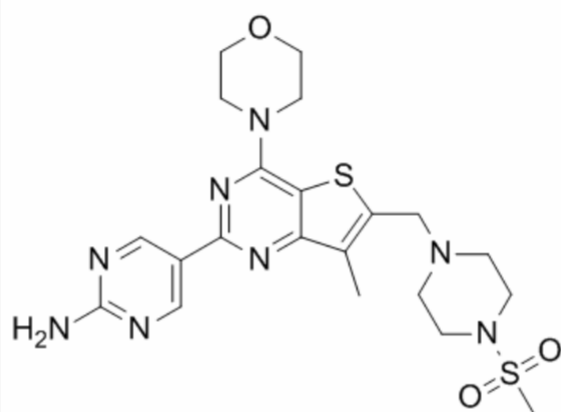
GNE-477 is a potent and efficacious dual **PI3K** (**IC₅₀**=4 nM)/**mTOR**(**K_i**=21 nM) inhibitor.

IC50 & Target: IC50: 4 nM (PI3K α)^[1]

Ki: 21 nM (mTOR)^[1]

In Vitro: GNE-477 (Compound 8) has improved potency in the MCF7.1 cell proliferation assay with an EC₅₀ of 143 nM^[1].

In Vivo: GNE-477 also exhibits stasis in a PC3 tumor growth inhibition study. In an experiment evaluating the tumor growth inhibition of a PC3 tumor xenograft over 14 days, stasis is achieved at a 20 mg/kg QD dose and significant inhibition is observed with doses as low as 1 mg/kg QD. GNE-477 is generally well tolerated during this study as demonstrated by acceptable levels of weight loss comparable to that observed with the animals in the vehicle cohort^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!