

GSK1059615

Catalog No: tcsc0187



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

958852-01-2

Formula:

$C_{18}H_{11}N_3O_2S$

Pathway:

PI3K/Akt/mTOR;PI3K/Akt/mTOR

Target:

PI3K;mTOR

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

333.36

Product Description

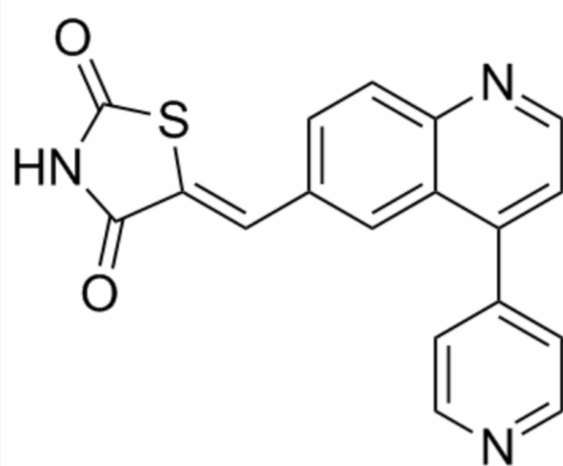
GSK1059615 is a dual inhibitor of **PI3K α / β / δ / γ** (reversible) and **mTOR** with **IC₅₀** of 0.4 nM/0.6 nM/2 nM/5 nM and 12 nM,

respectively.

IC50 & Target: IC50: 0.4 nM (PI3K α), 0.6 nM (PI3K β), 2 nM (PI3K δ), 5 nM (PI3K γ), 12 nM (mTOR)

In Vitro: GSK1059615 inhibits PI3K α , β , γ and δ , with K_i of 0.42 nM, 0.6 nM, 0.47 nM and 1.7 nM, respectively^[1]. In T47D and BT474 cancer cells, GSK1059615 inhibits the phosphorylation of Akt at S473, with IC₅₀ of 40 nM^[2].

In Vivo: GSK1059615 (25 mg/kg) effectively inhibits tumor growth in xenograft mice models of BT474 or HCC1954 breast cancer cells^[1].



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