



GSK319347A

Catalog No: tcsc0047

Available Sizes
Size: 5mg
Size: 10mg
Size: 50mg
Specifications
CAS No: 862812-98-4
Formula: C ₂₂ H ₁₉ N ₃ O ₅ S ₂
Pathway: NF-κΒ
Target: IKK
Purity / Grade: >98%
Solubility: 10 mM in DMSO
Alternative Names: IKK-3 Inhibitor
Observed Molecular Weight: 469.53

Product Description





GSK319347A is a dual inhibitor of **TBK1** and **IKK** ϵ with **IC**₅₀s of 93 nM and 469 nM, respectively. GSK319347A also inhibits **IKK2** with an **IC**₅₀ of 790 nM.

IC50 & Target: IC50: 93 nM (TBK1), 469 nM (IKKε)^[1]

IC50: 790 nM (IKK2)^[2]

In Vitro: GSK319347A (Compound 1) inhibits TBK1 enzyme with an IC_{50} of 93 nM, which also translates into good cell potency (72 nM). Moreover, IKK-3 Inhibitor exhibits excellent selectivity against cell-cycle kinases CDK2 and AurB^[1]. IKK-3 Inhibitor (Compound 13) is a novel IkB kinase 2 (IKK2) inhibitor with an IC_{50} of 790 nM^[2].

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