

GDC-0834 (Racemate)

Catalog No: tcsc3124



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

1133432-46-8

Formula:

$C_{33}H_{36}N_6O_3S$

Pathway:

Protein Tyrosine Kinase/RTK

Target:

Btk

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 49 mg/mL (82.11 mM)

Observed Molecular Weight:

596.74

Product Description

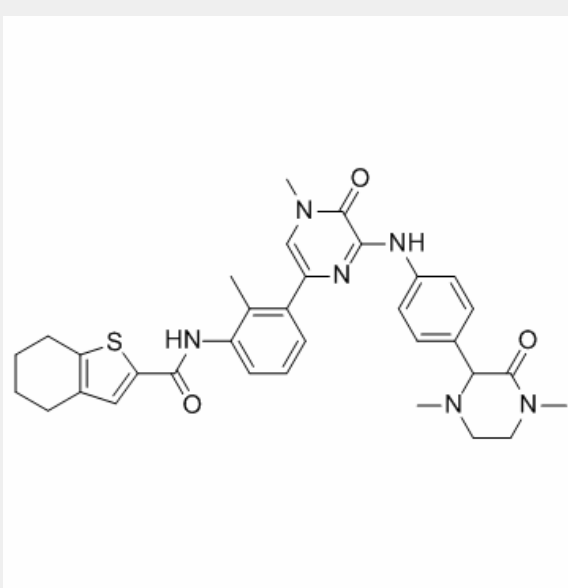
GDC-0834 Racemate is the racemate form of GDC-0834, which is a potent and selective BTK inhibitor with in vitro IC₅₀s of 5.9 and 6.4 nM in biochemical and cellular assays, respectively.

IC50 value: 5.9 nM/6.4 nM(biochemical/cellular assay) [1]

Target: BTK

in vitro: GDC-0834 inhibited BTK with an in vitro IC(50) of 5.9 and 6.4 nM in biochemical and cellular assays, respectively, and in vivo IC(50) of 1.1 and 5.6 μ M in mouse and rat, respectively [1].

in vivo: Administration of GDC-0834 (30-100 mg/kg) in a rat collagen-induced arthritis (CIA) model resulted in a dose-dependent decrease of ankle swelling and reduction of morphologic pathology [1]. GDC-0834 exhibited low clearance in PXB chimeric mice with humanized liver. Uncertainty in human pharmacokinetic prediction and high interest in a BTK inhibitor for clinical evaluation prompted an investigational new drug strategy, in which GDC-0834 was rapidly advanced to a single-dose human clinical trial. GDC-0834 plasma concentrations in humans were below the limit of quantitation (



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