

GDC-0879

Catalog No: tcsc0158



Available Sizes

Size: 2mg

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg



Specifications

CAS No:

905281-76-7

Formula:

$C_{19}H_{18}N_4O_2$

Pathway:

MAPK/ERK Pathway

Target:

Raf

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

334.37

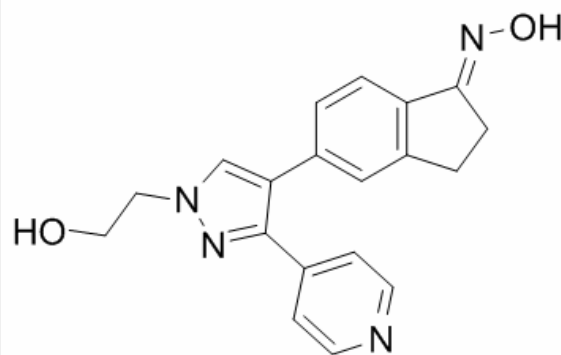
Product Description

GDC-0879 is a potent and selective **B-Raf** inhibitor with an **IC₅₀** of 0.13 nM.

IC50 & Target: IC50: 0.13 nM (B-Raf)^[1]

In Vitro: GDC-0879 also inhibits pERK with an IC₅₀ of 63 nM^[1]. GDC-0879 represents a novel potent and selective B-Raf inhibitor that is being evaluated as a potential antitumor agent. GDC-0879 exhibits potent inhibition of Raf/MEK/ERK signaling pathway in V600E B-Raf mutant cell lines with low cellular pMEK1 inhibition IC₅₀ estimates of 59 and 29 nM in A375 melanoma and Colo205 colorectal carcinoma cells, respectively^[2].

In Vivo: The pharmacokinetic parameters of GDC-0879 after oral administration of 15, 25, 50, 100, and 200 mg/kg in MCT in mice are estimated as follows: $k_a=8.20\text{ h}^{-1}$, $k_e=0.59\text{ h}^{-1}$, and apparent volume of distribution=6.19 L/kg^[2].



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