Taiclone®
Quality Guarantee

Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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

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Product Description

GDC-0879 is a potent and selective **B-Raf** inhibitor with an **IC_{50}** of 0.13 nM.

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

In Vitro: GDC-0879 also inhibits pERK with an IC_{50} 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 IC_{50} 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 h^{-1}, k_e=0.59 h^{-1}, and apparent volume of distribution=6.19 L/kg[2].