

## GDC-0879

Catalog No: tcsc0158



### Available Sizes

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**Size:** 2mg

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg

**Size:** 50mg



### Specifications

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**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

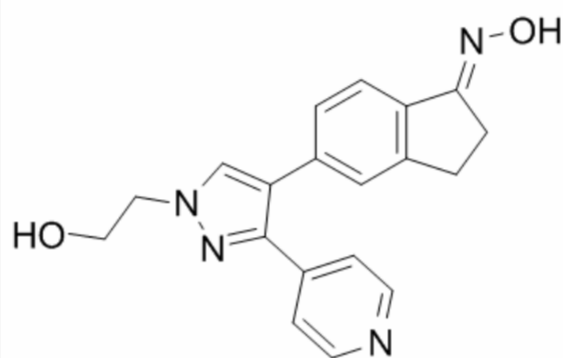
## Product Description

GDC-0879 is a potent and selective **B-Raf** inhibitor with an **IC<sub>50</sub>** of 0.13 nM.

IC50 & Target: IC50: 0.13 nM (B-Raf)<sup>[1]</sup>

**In Vitro:** GDC-0879 also inhibits pERK with an IC<sub>50</sub> of 63 nM<sup>[1]</sup>. 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<sub>50</sub> estimates of 59 and 29 nM in A375 melanoma and Colo205 colorectal carcinoma cells, respectively<sup>[2]</sup>.

**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<sup>[2]</sup>.



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