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

GW 5074

Catalog No: tcsc0092

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
220904-83-6

Formula:
$C_{15}H_8Br_2INO_2$

Pathway:
MAPK/ERK Pathway

Target:
Raf

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Observed Molecular Weight:
520.94

Product Description

GW 5074 is a potent and selective **c-Raf** inhibitor with **IC_{50}** of 9 nM, and has no effect on the activities of JNK1/2/3, MEK1, MKK6/7,

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CDK1/2, c-Src, p38 MAP, VEGFR2 or c-Fms.

IC50 & Target: IC50: 9 nM (c-Raf)

In Vitro: GW5074 is a potent and specific inhibitor of c-Raf with IC_{50} of 9 nM and has no effect of MKK6, MKK7, p38 MAP kinase and cdks in vitro. However, treatment of neuronal cultures with GW5074 permits accumulation of activating modifications on c-Raf and also B-Raf. The inhibition of LK-induced apoptosis by GW5074 in cerebellar granule neurons is not MEK-ERK-dependent. GW5074 delays down-regulation of Akt activity but inhibits apoptosis by an Akt-independent mechanism. GW5074 affects Ras, nuclear factor-kappa B and c-jun. GW5074 inhibits cell death caused by neurotoxins in granule cells and other neuronal types[1].

In Vivo: GW5074 (5 mg/Kg) completely prevents extensive bilateral striatal lesions induced by 3-NP in mice[1]. GW5074 suppresses sidestream smoke-induced airway hyperresponsiveness in mice[2]. GW5074 completely abolishes chronic morphine-mediated AC superactivation I in CHO cells stably expressing the humanμ-opioid receptor[3].