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

Rogaratinib

Catalog No: tcsc8129

Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
1443530-05-9

Formula:
$C_{23}H_{26}N_6O_3S$

Pathway:
Protein Tyrosine Kinase/RTK

Target:
FGFR

Purity / Grade:
>98%

Solubility:
DMSO : 6 mg/mL (12.86 mM; Need ultrasonic)

Alternative Names:
BAY1163877

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Observed Molecular Weight:
466.56

Product Description

Rogaratinib is a potent and selective **fibroblast growth factor receptor** (**FGFR**) inhibitor.

IC50 & Target: FGFR[1]

In Vitro: Of the 24 cell lines, 2 *FGFR1*-amplified lung cancer (LC) cell lines, H1581 and DMS114, show extreme sensitivity to Rogaratinib (BAY1163877) (GI_{50} values ranging from 36 to 244 nM). Treatment with Rogaratinib results in a significant decrease in colonies formed by H1581P cells, but not by H1581AR and BR cells. Ectopic expression of Met significantly induces resistance to Rogaratinib in MTT assays. Met overexpression induces activation of downstream extracellular signal-regulated kinase 1/2 (ERK1/2) and AKT, which cannot be abrogated by Rogaratinib treatment[1].