

G-573

## Chemical Properties

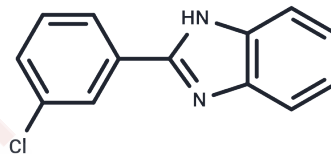
CAS No. : 22868-35-5

Formula: C<sub>13</sub>H<sub>9</sub>ClN<sub>2</sub>

Molecular Weight: 228.68

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	G-573 is an allosteric inhibitor of MEK that is both potent and selective. The IC <sub>50</sub> value for pERK inhibition in HCT116 tumours by G-573 was estimated to be 0.406 $\mu$ M. The IC <sub>50</sub> values for tumour growth inhibition in HCT116 and H2122 were estimated to be 3.43 and 2.56 $\mu$ M, respectively. ED <sub>50</sub> estimates in HCT116 and H2122 mouse xenograft models were estimated to be ~4.6 and 1.9 mg/kg/day, respectively.
Targets(IC <sub>50</sub> )	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3729 mL	21.8646 mL	43.7292 mL
5 mM	0.8746 mL	4.3729 mL	8.7458 mL
10 mM	0.4373 mL	2.1865 mL	4.3729 mL
50 mM	0.0875 mL	0.4373 mL	0.8746 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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