SU5204

Cat. No.: HY-126319

CAS No.: 186611-11-0

Molecular Formula: $C_{17}H_{15}NO_2$

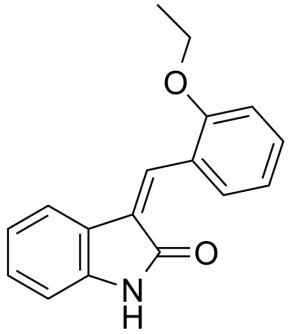
Molecular Weight: 265.31

Target: VEGFR; EGFR

Pathway: Protein Tyrosine Kinase/RTK; JAK/STAT Signaling

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (376.92 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.7692 mL	18.8459 mL	37.6918 mL
5 mM	0.7538 mL	3.7692 mL	7.5384 mL
10 mM	0.3769 mL	1.8846 mL	3.7692 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (9.42 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (9.42 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

SU5204, a tyrosine kinase inhibitor, has IC_{50}s of 4 and 51.5 μM for FLK-1 (VEGFR-2) and HER2, respectively[1].

IC_{50} & Target

VEGFR2	HER2
4 μM (IC_{50})	51.5 μM (IC_{50})

REFERENCES

[1]. Peng Cho Tang, et al. 3-heteroaryl-2-indolinone compounds for the treatment of disease. US5792783A.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA