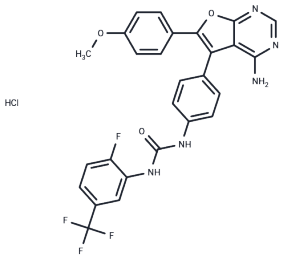
Data Sheet (Cat.No.T11519)

TargetMol

GW768505A free base

Chemical Properties



CAS No. : 501693-25-0

Formula: C27H19F4N5O3

Molecular Weight: 537.47

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	GW768505A free base is a potent dual inhibitor of VEGFR2 (KDR) and Tie-2 (pIC50: 7.81 for VEGFR2) with anti-angiogenic activity.
Targets(IC50)	Others,Tie-2,VEGFR
In vitro	GW768505A free base acts as an inhibitor of both KDR and TIE2, demonstrating significant inhibition (71-88% inhibition at 100 nM) of tropomyosin-related kinases, including TRKA, TRKB, and TRKC. Furthermore, it exhibits inhibitory effects on the growth of cancer cells in the NCI-60 panel screening.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8606 mL	9.3028 mL	18.6057 mL
5 mM	0.3721 mL	1.8606 mL	3.7211 mL
10 mM	0.1861 mL	0.9303 mL	1.8606 mL
50 mM	0.0372 mL	0.1861 mL	0.3721 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.

Reference

Miyazaki Y, et al. Orally active 4-amino-5-diarylurea-furo[2,3-d]pyrimidine derivatives as anti-angiogenic agent inhibiting VEGFR2 and Tie-2. Bioorg Med Chem Lett. 2007 Mar 15;17(6):1773-8.
Elkins JM, et al. Comprehensive characterization of the Published Kinase Inhibitor Set. Nat Biotechnol. 2016 Jan;34(1):95-103.

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