

ZD4190 HCl

Chemical Properties

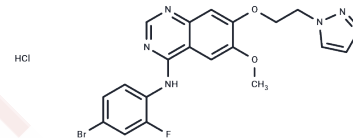
CAS No. : 257938-36-6

Formula: C₁₉H₁₇BrClFN₆O₂

Molecular Weight: 495.73

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	ZD-4190, a potent VEGFR inhibitor, prevents tumour outgrowth in a model of minimal residual carcinoma in deep tissues.
Targets(IC50)	Others, VEGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0172 mL	10.0861 mL	20.1723 mL
5 mM	0.4034 mL	2.0172 mL	4.0345 mL
10 mM	0.2017 mL	1.0086 mL	2.0172 mL
50 mM	0.0403 mL	0.2017 mL	0.4034 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

Yang M, Gao H, Yan Y, Sun X, Chen K, Quan Q, Lang L, Kiesewetter D, Niu G, Chen X. PET imaging of early response to the tyrosine kinase inhibitor ZD4190. *Eur J Nucl Med Mol Imaging*. 2011 Jul;38(7):1237-47. doi: 10.1007/s00259-011-1742-z. PubMed PMID: 21360246; PubMed Central PMCID: PMC3184245.

Gaballah K, Oakley R, Hills A, Ryan A, Partridge M. The antiangiogenic agent ZD4190 prevents tumour outgrowth in a model of minimal residual carcinoma in deep tissues. *Br J Cancer*. 2009 Aug 4;101(3):418-23. doi: 10.1038/sj.bjc.6605092. PubMed PMID: 19623179; PubMed Central PMCID: PMC2720249.

Nguyen QD, Rodrigues S, Rodrigue CM, Rivat C, Grijelmo C, Bruyneel E, Emami S, Attoub S, Gespach C. Inhibition of vascular endothelial growth factor (VEGF)-165 and semaphorin 3A-mediated cellular invasion and tumor growth by the VEGF signaling inhibitor ZD4190 in human colon cancer cells and xenografts. *Mol Cancer Ther*. 2006 Aug;5(8):2070-7. PubMed PMID: 16928828.

Checkley D, Tessier JJ, Wedge SR, Dukes M, Kendrew J, Curry B, Middleton B, Waterton JC. Dynamic contrast-enhanced MRI of vascular changes induced by the VEGF-signalling inhibitor ZD4190 in human tumour xenografts. *Magn Reson Imaging*. 2003 Jun;21(5):475-82. PubMed PMID: 12878256.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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