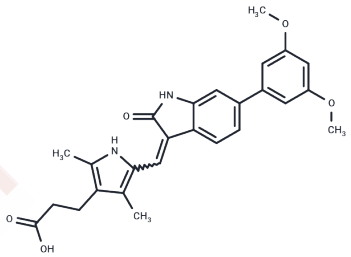
Data Sheet (Cat.No.T24543)

TargetMol

NP603

Chemical Properties



CAS No. : 949164-80-1

Formula: C26H26N2O5

Molecular Weight: 446.49

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	NP603 is a highly potent fibroblast growth factor receptor 1 (FGFR1) inhibitor that significantly inhibits rhFGF-2-induced proliferation of human umbilical vein endothelial cells (HUVECs), with a minimum effective dose of 0.4 μM.
Targets(IC50)	FGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2397 mL	11.1985 mL	22.3969 mL
5 mM	0.4479 mL	2.2397 mL	4.4794 mL
10 mM	0.224 mL	1.1198 mL	2.2397 mL
50 mM	0.0448 mL	0.224 mL	0.4479 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

Lin N, et al. NP603, a novel and potent inhibitor of FGFR1 tyrosine kinase, inhibits hepatic stellate cell proliferation and ameliorates hepatic fibrosis in rats. Am J Physiol Cell Physiol. 2011;301(2):C469-C477.
Kammasud N, Boonyarat C, Tsunoda S, Sakurai H, Saiki I, Grierson DS, Vajragupta O. Novel inhibitor for fibroblast growth factor receptor tyrosine kinase. Bioorg Med Chem Lett. 2007 Sep 1;17(17):4812-8. Epub 2007 Jun 26. PubMed PMID: 17618113.

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