

BIBF 1202

Chemical Properties

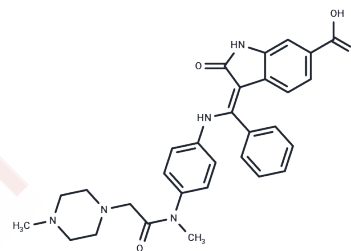
CAS No. : 894783-71-2

Formula: C₃₀H₃₁N₅O₄

Molecular Weight: 525.6

Storage: Keep away from moisture, Store at low temperature
 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	BIBF 1202 is a VEGFR2 kinase inhibitor (IC ₅₀ = 62 nM).
Targets(IC ₅₀)	VEGFR
In vitro	The primary metabolic pathway for BIBF 1120 involves methyl ester cleavage to BIBF 1202, followed by glucuronidation of the free carboxyl group of BIBF 1202 to 1-O-acyl glucuronide [2].

Solubility Information

Solubility	H ₂ O: <1 mg/mL (insoluble) DMSO: <1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9026 mL	9.5129 mL	19.0259 mL
5 mM	0.3805 mL	1.9026 mL	3.8052 mL
10 mM	0.1903 mL	0.9513 mL	1.9026 mL
50 mM	0.0381 mL	0.1903 mL	0.3805 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

Hilberg F, et al. BIBF 1120: triple angiokinase inhibitor with sustained receptor blockade and good antitumorefficacy. *Cancer Res.* 2008 Jun 15;68(12):4774-82.

Stopfer P, et al. Pharmacokinetics and metabolism of BIBF 1120 after oral dosing to healthy male volunteers. *Xenobiotica.* 2011 Apr;41(4):297-311.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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