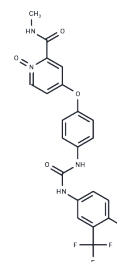


Sorafenib N-oxide

Chemical Properties

CAS No. :	583840-03-3
Formula:	C ₂₁ H ₁₆ ClF ₃ N ₄ O ₄
Molecular Weight:	480.83
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	Sorafenib N-oxide is an active metabolite of sorafenib, an inhibitor of Raf-1, B-RAF, and receptor tyrosine kinases. Sorafenib N-oxide inhibits FLT3 that contains the internal tandem duplication mutation (FLT3-ITD; K _d = 70 nM) and inhibits proliferation of MV4-11 acute myeloid leukemia (AML) cells expressing FLT3-ITD (IC ₅₀ = 25.8 nM). It is selective for AML cell lines containing FLT3-ITD over lines containing wild-type FLT3 (IC ₅₀ s = 3.9-13.3 μM). Sorafenib N-oxide is also a linear-mixed inhibitor of the cytochrome P450 (CYP) isoform CYP3A4 (K _i = 15 μM in human liver microsomes).
Targets(IC50)	Others,Cytochromes P450,Drug Metabolite

Solubility Information

Solubility	Methanol: Very slightly soluble,Heating is recommended. DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0797 mL	10.3987 mL	20.7974 mL
5 mM	0.4159 mL	2.0797 mL	4.1595 mL
10 mM	0.208 mL	1.0399 mL	2.0797 mL
50 mM	0.0416 mL	0.208 mL	0.4159 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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