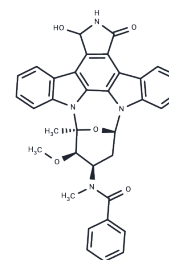


3-Hydroxy Midostaurin

Chemical Properties

CAS No. :	179237-49-1
Formula:	C35H30N4O5
Molecular Weight:	586.648
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	3-Hydroxy Midostaurin (CGP 52421), a PKC412 metabolite, inhibits FMS-like tyrosine kinase-3 (FLT3) autophosphorylation with IC50 values of approximately 132 nM in culture medium and 9.8 μM in plasma. Although less selective, it shows greater cytotoxicity compared to PKC412[1].
Targets(IC50)	FLT

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7046 mL	8.523 mL	17.0459 mL
5 mM	0.3409 mL	1.7046 mL	3.4092 mL
10 mM	0.1705 mL	0.8523 mL	1.7046 mL
50 mM	0.0341 mL	0.1705 mL	0.3409 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

Levis M, et al. Plasma inhibitory activity (PIA): a pharmacodynamic assay reveals insights into the basis for cytotoxic response to FLT3 inhibitors. Blood. 2006 Nov 15;108(10):3477-83.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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