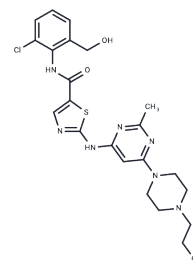


Hydroxymethyl dasatinib

Chemical Properties

CAS No. :	910297-58-4
Formula:	C ₂₂ H ₂₆ ClN ₇ O ₃ S
Molecular Weight:	504.01
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	Hydroxymethyl dasatinib (M24) is a benzyloxy metabolite of dasatinib that demonstrates potent antiproliferative activity with an IC ₅₀ value of 46.7 nM in K562 chronic myeloid leukemia cells, and is used in kinase inhibitor metabolism studies, structure-activity relationship analysis, and evaluation of active drug metabolites in leukemia research.
Targets(IC ₅₀)	Bcr-Abl

Solubility Information

Solubility	DMSO: 100 mg/mL (198.41 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9841 mL	9.9204 mL	19.8409 mL
5 mM	0.3968 mL	1.9841 mL	3.9682 mL
10 mM	0.1984 mL	0.992 mL	1.9841 mL
50 mM	0.0397 mL	0.1984 mL	0.3968 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

Lisa J Christopher, et al. Metabolism and disposition of dasatinib after oral administration to humans. Drug Metab Dispos. 2008 Jul;36(7):1357-64.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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