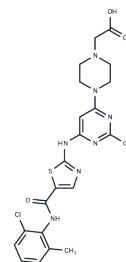


Dasatinib metabolite M6

Chemical Properties

CAS No. :	910297-53-9
Formula:	C ₂₂ H ₂₄ ClN ₇ O ₃ S
Molecular Weight:	501.99
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	Dasatinib metabolite M6 (Dasatinib carboxylic acid) is an oxidative derivative of Dasatinib, a potent and orally active inhibitor of both Bcr-Abl and Src family tyrosine kinases[1].
Targets(IC50)	Others, Drug Metabolite

Solubility Information

Solubility	DMSO: 100 mg/mL (199.21 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (6.57 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9921 mL	9.9604 mL	19.9207 mL
5 mM	0.3984 mL	1.9921 mL	3.9841 mL
10 mM	0.1992 mL	0.996 mL	1.9921 mL
50 mM	0.0398 mL	0.1992 mL	0.3984 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. Biotransformation of [14C]dasatinib: in vitro studies in rat, monkey, and human and disposition after administration to rats and monkeys. Drug Metab Dispos. 2008 Jul;36(7):1341-56.

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