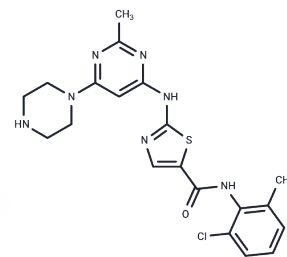


N-Deshydroxyethyl Dasatinib

Chemical Properties

CAS No. :	910297-51-7
Formula:	C ₂₀ H ₂₂ ClN ₇ O ₅
Molecular Weight:	443.95
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	N-Deshydroxyethyl Dasatinib (N-Deshydroxyethyl BMS-354825) is a metabolite of Dasatinib, a dasatinib-based molecule that degrades ABL by binding to the IAP ligand via a linker to form SNIPER. N-Deshydroxyethyl Dasatinib is used in the study of cancer and immune diseases.
Targets(IC50)	Drug Metabolite,IAP

Solubility Information

Solubility	DMSO: 49.5 mg/mL (111.5 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: 2 mg/mL (4.51 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	2.2525 mL	11.2625 mL	22.5251 mL
5 mM	0.4505 mL	2.2525 mL	4.505 mL
10 mM	0.2253 mL	1.1263 mL	2.2525 mL
50 mM	0.0451 mL	0.2253 mL	0.4505 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

Shibata N, et al. Development of protein degradation inducers of oncogenic BCR-ABL protein by conjugation of ABL kinase inhibitors and IAP ligands. *Cancer Sci.* 2017 Aug;108(8):1657-1666.

Thappali SR, et al. Simultaneous determination of methotrexate, dasatinib and its active metabolite N-deshydroxyethyl dasatinib in rat plasma by LC-MS/MS: method validation and application to pharmacokinetic study. *Arzneimittelforschung.* 2012;62(12):624-630.

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