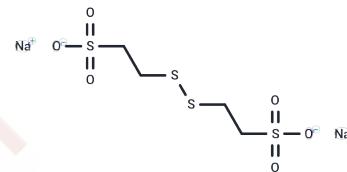


Dimesna

Chemical Properties

CAS No. : 16208-51-8
 Formula: C₄H₈Na₂O₆S₄
 Molecular Weight: 326.34
 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	Dimesna (BNP-7787) is a synthetic derivative of dithio-ethane sulfonate with uroprotective properties.
Targets(IC50)	Others,Drug Metabolite
In vitro	Dimesna modulated paclitaxel-induced MTP hyperpolymerization, and mesna, an in vivo metabolite of Dimesna, prevented cisplatin-induced MTP inactivation. The renal organic anion transporter proteins OAT1 (KM=636 μM), OAT3 (KM=390 μM) and OAT4 (KM=590 μM) were able to specifically bind Dimesna.
In vivo	Dimesna modulated paclitaxel-induced MTP hyperpolymerization, and mesna, an in vivo metabolite of Dimesna, prevented cisplatin-induced MTP inactivation. The renal organic anion transporter proteins OAT1 (KM=636 μM), OAT3 (KM=390 μM) and OAT4 (KM=590 μM) were able to specifically bind Dimesna.

Solubility Information

Solubility	DMSO: 13 mg/mL (39.84 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	3.0643 mL	15.3214 mL	30.6429 mL
5 mM	0.6129 mL	3.0643 mL	6.1286 mL
10 mM	0.3064 mL	1.5321 mL	3.0643 mL
50 mM	0.0613 mL	0.3064 mL	0.6129 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

Parker AR, et al. Mol, Cancer Ther, 2010, 9(9), 2558-2567.

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Hausheer FH, et al. Cancer Chemother Pharmacol, 2010, 65(5), 941-951.

Cutler MJ, et al. J Clin Pharmacol, 2012, 52(4), 530-542.

Habs MR, et al. Cancer, 1983, 51(4), 606-609.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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