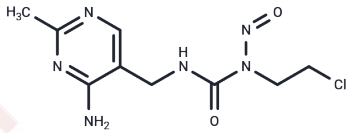
Data Sheet (Cat.No.T21310)

TargetMol

Nimustine

Chemical Properties



CAS No. : 42471-28-3

Formula: C9H13ClN6O2

Molecular Weight: 272.69

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	NIMUSTINE, an antineoplastic agent especially effective against malignant brain tumors, has been used in combination with other antineoplastic agents or with radiotherapy for the treatment of various neoplasms.
Targets(IC50)	Apoptosis,Others

Solubility Information

Solubility	DMSO: Soluble, H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6672 mL	18.3358 mL	36.6717 mL
5 mM	0.7334 mL	3.6672 mL	7.3343 mL
10 mM	0.3667 mL	1.8336 mL	3.6672 mL
50 mM	0.0733 mL	0.3667 mL	0.7334 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

Watanabe S, Sato S, Nagase S, Ohkuma S. Chemotherapeutic choice of ranimustine or nimustine on the basis of regional polyamine levels in rat brain. Methods Find Exp Clin Pharmacol. 2008 Mar;30(2):115-20. PubMed PMID: 18560626.

Batista LF, Roos WP, Christmann M, Menck CF, Kaina B. Differential sensitivity of malignant glioma cells to methylating and chloroethylating anticancer drugs: p53 determines the switch by regulating xpc, ddb2, and DNA double-strand breaks. Cancer Res. 2007 Dec 15;67(24):11886-95. PubMed PMID: 18089819.

Seya T, Tanaka N, Shinji S, Shinji E, Yokoi K, Horiba K, Kanazawa Y, Yamada T, Oaki Y, Tajiri T. Case of rectal malignant melanoma showing immunohistochemical variability in a tumor. J Nippon Med Sch. 2007 Oct;74(5):377-81. PubMed PMID: 17965534.

Hoshida Y, Moriyama M, Otsuka M, Kato N, Taniguchi H, Shiratori Y, Seki N, Omata M. Gene expressions associated with chemosensitivity in human hepatoma cells. Hepatogastroenterology. 2007 Mar;54(74):489-92. PubMed PMID: 17523305.

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