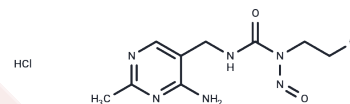


Nimustine Hydrochloride

Chemical Properties

CAS No. :	55661-38-6
Formula:	C ₉ H ₁₄ Cl ₂ N ₆ O ₂
Molecular Weight:	309.15
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 Hydrochloride (Nidran hydrochloride) has been used in trials studying the treatment of Glioblastoma.
Targets(IC50)	Apoptosis, DNA Alkylator/Crosslinker, DNA/RNA Synthesis, JNK, p38 MAPK

Solubility Information

Solubility	DMSO: 55 mg/mL (177.91 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 (6.47 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	3.2347 mL	16.1734 mL	32.3468 mL
5 mM	0.6469 mL	3.2347 mL	6.4694 mL
10 mM	0.3235 mL	1.6173 mL	3.2347 mL
50 mM	0.0647 mL	0.3235 mL	0.6469 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

Matsumoto, T. et al.: J. Eur. Acad. Dermatol. Venereol., 27, 1514 (2013)

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