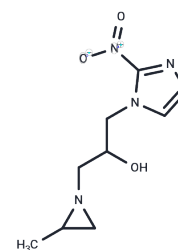


RSU 1131

Chemical Properties

CAS No. : 88876-89-5
 Formula: C₉H₁₄N₄O₃
 Molecular Weight: 226.23
 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	RSU 1131 is a nitroimidazole-aziridine.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4203 mL	22.1014 mL	44.2028 mL
5 mM	0.8841 mL	4.4203 mL	8.8406 mL
10 mM	0.442 mL	2.2101 mL	4.4203 mL
50 mM	0.0884 mL	0.442 mL	0.8841 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

- O'Neill P, McNeil SS, Jenkins TC. Induction of DNA crosslinks in vitro upon reduction of the nitroimidazole-aziridines RSU-1069 and RSU-1131. *Biochem Pharmacol.* 1987 Jun 1;36(11):1787-92. PubMed PMID: 3579973.
- Jenner TJ, Sapora O, O'Neill P, Fielden EM. Enhancement of DNA damage in mammalian cells upon bioreduction of the nitroimidazole-aziridines RSU-1069 and RSU-1131. *Biochem Pharmacol.* 1988 Oct 15;37(20):3837-42. PubMed PMID: 3190731.
- Sapora O, Paone A, Maggi A, Jenner TJ, O'Neill P. Induction of mutations in V79-4 mammalian cells under hypoxic and aerobic conditions by the cytotoxic 2-nitroimidazole-aziridines, RSU-1069 and RSU-1131. The influence of cellular glutathione. *Biochem Pharmacol.* 1992 Oct 6;44(7):1341-7. PubMed PMID: 1417957.
- Walling J, Stratford IJ, Adams GE, Stephens MA. Dual-function radiation sensitizers and bioreductive drugs: factors affecting cellular uptake and sensitizing efficiency in analogues of RSU 1069. *Int J Radiat Biol Relat Stud Phys Chem Med.* 1988 Apr;53(4):641-9. PubMed PMID: 3258298.

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