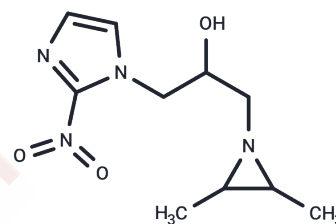


RSU 1164

Chemical Properties

CAS No. : 88876-94-2
 Formula: C₁₀H₁₆N₄O₃
 Molecular Weight: 240.26
 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 1164 is an electron affinic agent that contains a nitro group and a weakly basic alkylating aziridine moiety.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1622 mL	20.8108 mL	41.6216 mL
5 mM	0.8324 mL	4.1622 mL	8.3243 mL
10 mM	0.4162 mL	2.0811 mL	4.1622 mL
50 mM	0.0832 mL	0.4162 mL	0.8324 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

- Siemann DW. The chemosensitizing and cytotoxic effects of RSU 1164 and RSU 1165 in a murine tumor model. *Int J Radiat Oncol Biol Phys.* 1989 Apr;16(4):1115-8. PubMed PMID: 2703392.
- Henry JM, Isaacs JT. Synergistic enhancement of the efficacy of the bioreductively activated alkylating agent RSU-1164 in the treatment of prostatic cancer by photodynamic therapy. *J Urol.* 1989 Jul;142(1):165-70. PubMed PMID: 2733098.
- Hofer KG, Lakkis M, Hofer MG. Cytocidal effects of misonidazole, Ro 03-8799, and RSU-1164 on euoxic and hypoxic BP-8 murine sarcoma cells at normal and elevated temperatures. *Cancer.* 1989 Apr 15;63(8):1501-8. PubMed PMID: 2924258.
- Deacon JM, Holliday SB, Ahmed I, Jenkins TC. Experimental pharmacokinetics of RSU-1069 and its analogues: high tumor/plasma ratios. *Int J Radiat Oncol Biol Phys.* 1986 Jul;12(7):1087-90. PubMed PMID: 3755713.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481