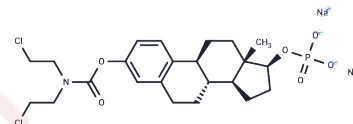


Estramustine phosphate sodium

Chemical Properties

CAS No. :	52205-73-9
Formula:	C ₂₃ H ₃₀ Cl ₂ NNa ₂ O ₆ P
Molecular Weight:	564.35
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	Estramustine phosphate sodium (Ro 21-8837/001) is an antimicrotubule chemotherapy agent; arrests prostate cancer cells in the G ₂ /M phase of the cell cycle.
Targets(IC ₅₀)	Apoptosis, Microtubule Associated

Solubility Information

Solubility	H ₂ O: 62.5 mg/mL (110.75 mM), Sonication is recommended. DMSO: 5.65 mg/mL (10.01 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	1.772 mL	8.8598 mL	17.7195 mL
5 mM	0.3544 mL	1.772 mL	3.5439 mL
10 mM	0.1772 mL	0.886 mL	1.772 mL
50 mM	0.0354 mL	0.1772 mL	0.3544 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

- Perry CM, et al. Estramustine phosphate sodium. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in prostate cancer. *Drugs Aging*. 1995 Jul;7(1):49-74.
- Bergenheim AT, et al. Pharmacokinetics and pharmacodynamics of estramustine phosphate. *Clin Pharmacokinet*. 1998 Feb;34(2):163-72.
- Dene Simpson, et al. Estramustine Phosphate Sodium. *American Journal of Cancer* 2 (5): 373-390.

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