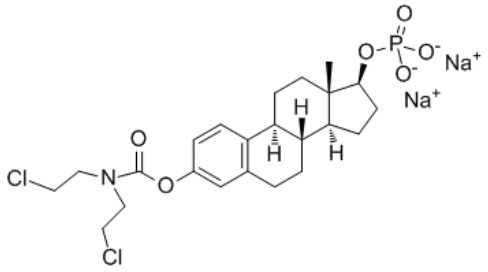
Product Data Sheet

Product Name: Estramustine phosphate sodium
Cat. No.: GC32816

Chemical Properties

Cas. No.	52205-73-9		
SMILES	[O-]P([O-])(O[C@H]1CC[C@@]2([H])[C@@]3([H])[C@](C(C=CC(OC(N(CCCl)CCCl)=O)=C4)=C4CC3)([H])CC[C@@]21C)=O.[Na+].[Na+]		
Formula	$C_{23}H_{30}Cl_2NNa_2O_6P$	M.Wt	564.35
Solubility	Water : 62.5 mg/mL (110.75 mM);DMSO : 5 mg/mL (8.86 mM)	Storage	4°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Estramustine phosphate sodium is an antimicrotubule chemotherapy agent; arrests prostate cancer cells in the G2/M phase of the cell cycle.

[1]. Perry CM, et al. Estramustine phosphate sodium. A review of its pharmacodynamic and pharmacokinetic properties, and therapeutic efficacy in prostate cancer. Drugs Aging. 1995

Caution: Product has not been fully validated for medical applications. For research use only.
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Jul;7(1):49-74. [2]. Bergenheim AT, et al. Pharmacokinetics and pharmacodynamics of estramustine phosphate. Clin Pharmacokinet. 1998 Feb;34(2):163-72. [3]. Dene Simpson, et al. Estramustine Phosphate Sodium. American Journal of Cancer 2 (5):373-390.

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