

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+]

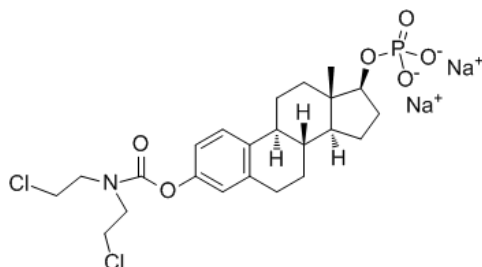
Formula $C_{23}H_{30}Cl_2NNa_2O_6P$ M.Wt 564.35

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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