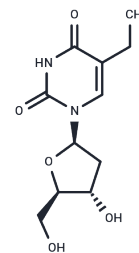


Edoxudine

Chemical Properties

CAS No. :	15176-29-1
Formula:	C ₁₁ H ₁₆ N ₂ O ₅
Molecular Weight:	256.26
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	Edoxudine (Epoxadine), an antiviral drug, is an analogue of thymidine and shows effectiveness against the herpes simplex virus. Edoxudine is used as a 5-fluorouracil (FU) modulator. Edoxudine may be used to enhance the therapeutic index of 5-FU by reducing the catabolism, prolonging the plasma and intratumoral concentrations of 5-FU, and offering protection to normal organs by increasing the endogenous uridine levels. It can also enhance the antitumour action of 5-FU.
Targets(IC50)	Antiviral, Antibacterial, Virus Protease

Solubility Information

Solubility	DMSO: 45 mg/mL (175.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.8 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9023 mL	19.5114 mL	39.0229 mL
5 mM	0.7805 mL	3.9023 mL	7.8046 mL
10 mM	0.3902 mL	1.9511 mL	3.9023 mL
50 mM	0.078 mL	0.3902 mL	0.7805 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

Kralovanszky, et al. 5-Ethyl-2'-deoxyuridine, a modulator of both antitumour action and pharmacokinetics of 5-fluorouracil[J]. *Journal of Cancer Research & Clinical Oncology*, 1999, 125(12):675-684.

Jeney A, et al. 5-Ethyl-2'-deoxyuridine: an explanation for its lack of cytotoxic action in vivo[J]. *European Journal of Cancer & Clinical Oncology*, 1986, 22(5):557-562.

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