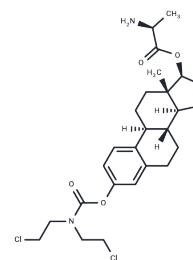


Alestramustine

Chemical Properties

CAS No. : 139402-18-9
 Formula: C₂₆H₃₆Cl₂N₂O₄
 Molecular Weight: 511.48
 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	Alestramustine is a cytostatic antineoplastic agent. The drug, via its active metabolites, binds to microtubule-associated proteins and β -tubulin and interferes with microtubule function, thereby suppressing cell division. Due to its estrogen moiety, Alestramustine has selectively concentrated in estrogen receptor-positive cells such as the prostate and breast.
Targets(IC50)	Others, Microtubule Associated

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9551 mL	9.7756 mL	19.5511 mL
5 mM	0.391 mL	1.9551 mL	3.9102 mL
10 mM	0.1955 mL	0.9776 mL	1.9551 mL
50 mM	0.0391 mL	0.1955 mL	0.391 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

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Qin Z, Li X, Zhang J, Tang J, Han P, Xu Z, Yu Y, Yang C, Wang C, Xu T, Xu Z, Zou Q. Chemotherapy with or without estramustine for treatment of castration-resistant prostate cancer: A systematic review and meta-analysis. Medicine (Baltimore). 2016 Sep;95(39):e4801. doi: 10.1097/MD.0000000000004801. Review. PubMed PMID: 27684806; PubMed Central PMCID: PMC5265899.

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