

Spiroplatin

Chemical Properties

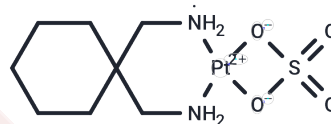
CAS No. : 74790-08-2

Formula: C₈H₁₈N₂O₄PtS

Molecular Weight: 433.39

Storage:

Keep away from direct sunlight, The compound is unstable in solution. Please use soon
 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	Spiroplatin (TNO-6) is a novel platinum-containing analogue with antitumor activity that is commonly used in the study of solid tumors.
Targets(IC50)	Others, Ferroptosis, Autophagy, Pyroptosis, DNA Alkylator/Crosslinker, Lipoxigenase

Solubility Information

Solubility	DMSO: Slightly soluble, DMSO inactivates the activity of Spiroplatin. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3074 mL	11.537 mL	23.0739 mL
5 mM	0.4615 mL	2.3074 mL	4.6148 mL
10 mM	0.2307 mL	1.1537 mL	2.3074 mL
50 mM	0.0461 mL	0.2307 mL	0.4615 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

Schroyens W, et al. Comparative effect of cisplatin, spiroplatin, carboplatin and iproplatin in a human tumor clonogenic assay. *J Cancer Res Clin Oncol.* 1990;116(4):392-6.

van der Vijgh WJ, et al. Pharmacokinetics of free and total platinum species after rapid and prolonged infusions of aqua (1,1-bis(aminomethyl)cyclohexane) sulfatoplatinum (II) (spiroplatin) during a phase I trial. *Eur J Cancer Clin Oncol.* 1988 Apr;24(4):621-7.

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