

Enloplatin

Chemical Properties

CAS No. : 111523-41-2

Formula: C₁₃H₂₂N₂O₅Pt

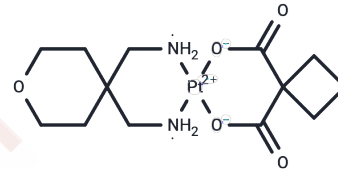
Molecular Weight: 481.4

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	Enloplatin is a carboplatin analog that has a partial role in advanced ovarian cancer.
Targets(IC50)	Others
In vivo	Enloplatin (i.v. infusion; over 1.5 h; every 21 days), one patient had a partial response (6%; 95% CI 0-26%) lasting 2.8 months. The median survival was 9.4 months (95%; CI 5.1-19.7%). Neutropenia was the dose-limiting toxicity. Nephrotoxicity was manageable. Enloplatin is the major form of the free drug in plasma. However, 13.5 h after initiation of treatment, 85% of the drug in plasma is protein bound. Elimination of the drug is mainly renal.[1]

Solubility Information

Solubility	DMSO: 55 mg/mL (114.25 mM), Sonication is recommended. DMSO inactivates the activity of Enloplatin. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0773 mL	10.3864 mL	20.7727 mL
5 mM	0.4155 mL	2.0773 mL	4.1545 mL
10 mM	0.2077 mL	1.0386 mL	2.0773 mL
50 mM	0.0415 mL	0.2077 mL	0.4155 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

- Kudelka AP, et al. A phase II and pharmacokinetic study of enloplatin in patients with platinum refractory advanced ovarian carcinoma. *Anticancer Drugs*. 1997;8(7):649-656.
- Amorusi P, et al. Analysis of enloplatin by liquid chromatography and of platinum by atomic absorption spectrometry in various biological fluids. *J Pharm Biomed Anal*. 1994;12(8):1023-1033. doi:10.1016/0731-7085(94)e0035-y
- Meijer C, et al. Relationship of cellular glutathione to the cytotoxicity and resistance of seven platinum compounds. *Cancer Res*. 1992;52(24):6885-6889.
- Weiss RB, et al. New cisplatin analogues in development. A review [published correction appears in *Drugs*. 1993 Sep;46(3):377]. *Drugs*. 1993;46(3):360-377.

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