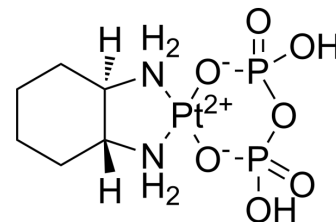


Imifoplatin

Cat. No.:	HY-109146	
CAS No.:	1339960-28-9	
Molecular Formula:	C ₆ H ₁₆ N ₂ O ₇ P ₂ Pt	
Molecular Weight:	485.23	
Target:	Apoptosis; DNA Alkylator/Crosslinker	
Pathway:	Apoptosis; Cell Cycle/DNA Damage	
Storage:	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 1.25 mg/mL (2.58 mM; Need ultrasonic; DMSO can inactivate Imifoplatin's activity)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0609 mL	10.3044 mL	20.6088 mL
	5 mM	---	---	---
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Imifoplatin (PT-112) is a platinum-based agent belonging to the phosphaplatin family. Imifoplatin exhibits antineoplastic activity^[1].

REFERENCES

[1]. Moghaddas S, et, al. Phosphaplatins, next generation platinum antitumor agents: A paradigm shift in designing and defining molecular targets. *Inorganica Chimica Acta*. 2012 Dec; 393(1): 173-181.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA