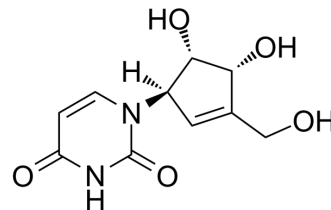


Cyclopentenyl uracil

Cat. No.:	HY-145668		
CAS No.:	90597-20-9		
Molecular Formula:	C ₁₀ H ₁₂ N ₂ O ₅		
Molecular Weight:	240.21		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (416.30 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.1630 mL	20.8151 mL	41.6302 mL
5 mM	0.8326 mL	4.1630 mL	8.3260 mL
10 mM	0.4163 mL	2.0815 mL	4.1630 mL

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

BIOLOGICAL ACTIVITY

Description

Cyclopentenyl uracil, a non-cytotoxic inhibitor of uridine kinase, effectively blocks the salvage of circulating uridine by host and tumor tissues in the intact mouse^[1].

REFERENCES

[1]. Cysyk RL, et al. Cyclopentenyl uracil: an effective inhibitor of uridine salvage in vivo. *Biochem Pharmacol.* 1995;49(2):203-207.

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

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