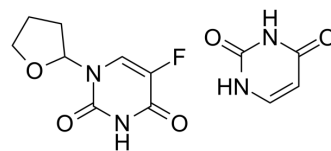


Tegafur-Uracil

Cat. No.:	HY-16110		
CAS No.:	74578-38-4		
Molecular Formula:	C ₁₂ H ₁₃ FN ₄ O ₅		
Molecular Weight:	312.25		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (320.26 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2026 mL	16.0128 mL	32.0256 mL
	5 mM	0.6405 mL	3.2026 mL	6.4051 mL
	10 mM	0.3203 mL	1.6013 mL	3.2026 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 5 mg/mL (16.01 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 5 mg/mL (16.01 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 5 mg/mL (16.01 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Tegafur-Uracil is an orally active fluoropyrimidines anticancer agent. Tegafur-Uracil inhibits thymidylate synthase. Tegafur-Uracil can be used for researching anti solid tumors^[1].

REFERENCES

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

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