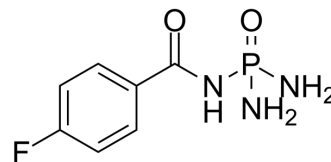


Fluorofamide

Cat. No.:	HY-100956		
CAS No.:	70788-28-2		
Molecular Formula:	C ₇ H ₉ FN ₃ O ₂ P		
Molecular Weight:	217.14		
Target:	Bacterial		
Pathway:	Anti-infection		
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 : 14.29 mg/mL (65.81 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.6053 mL	23.0266 mL	46.0532 mL
	5 mM	0.9211 mL	4.6053 mL	9.2106 mL
	10 mM	0.4605 mL	2.3027 mL	4.6053 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: ≥ 1.43 mg/mL (6.59 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.43 mg/mL (6.59 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.43 mg/mL (6.59 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Fluorofamide is a potent bacterial urease inhibitor with potential in the treatment of infection induced urinary stones^[1].

REFERENCES

[1]. Millner OE Jr, et al. Fluorofamide: a potent inhibitor of bacterial urease with potential clinical utility in the treatment of infection induced urinary stones. J Urol. 1982

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