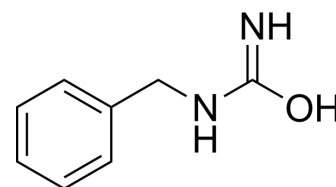


Benzylurea

Cat. No.:	HY-W010253		
CAS No.:	538-32-9		
Molecular Formula:	C ₈ H ₁₀ N ₂ O		
Molecular Weight:	150.18		
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 : 100 mg/mL (665.87 mM; Need ultrasonic)
 Ethanol : 50 mg/mL (332.93 mM; Need ultrasonic)
 H₂O : 3.33 mg/mL (22.17 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.6587 mL	33.2934 mL	66.5868 mL
	5 mM	1.3317 mL	6.6587 mL	13.3174 mL
	10 mM	0.6659 mL	3.3293 mL	6.6587 mL

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

In Vivo

- Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 5 mg/mL (33.29 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 5 mg/mL (33.29 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% corn oil
Solubility: ≥ 5 mg/mL (33.29 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Benzylurea is a benzylamide. Benzylurea can be isolated from *Salvadora persica* stems. Benzylurea has antimicrobial activity. Benzylurea can be used for the research of various biochemical studies^[1].

REFERENCES

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

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