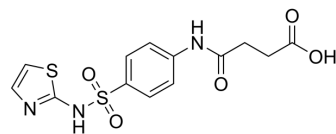


Succinylsulfathiazole

Cat. No.:	HY-B0921		
CAS No.:	116-43-8		
Molecular Formula:	C ₁₃ H ₁₃ N ₃ O ₅ S ₂		
Molecular Weight:	355.39		
Target:	Bacterial; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (281.38 mM; Need ultrasonic)
 H₂O : 1 mg/mL (2.81 mM; ultrasonic and warming and heat to 80°C)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8138 mL	14.0691 mL	28.1381 mL
	5 mM	0.5628 mL	2.8138 mL	5.6276 mL
	10 mM	0.2814 mL	1.4069 mL	2.8138 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: ≥ 2.5 mg/mL (7.03 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.03 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.03 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Succinylsulfathiazole is a sulfonamide, it is an ultra long acting drug.

CUSTOMER VALIDATION

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- Research Square Preprint. 2021 Aug.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Sepehr E, et al. Folate derived from cecal bacterial fermentation does not increase liver folate stores in 28-d folate-depleted male Sprague-Dawley rats. J Nutr. 2003 May;133(5):1347-54.

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

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