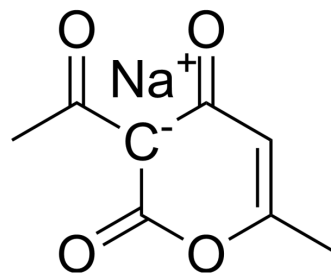


Dehydroacetic acid sodium

Cat. No.:	HY-128467
CAS No.:	4418-26-2
Molecular Formula:	C ₈ H ₇ NaO ₄
Molecular Weight:	190.13
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (657.44 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.2596 mL	26.2978 mL	52.5956 mL
		5 mM	1.0519 mL	5.2596 mL	10.5191 mL
		10 mM	0.5260 mL	2.6298 mL	5.2596 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (10.94 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (10.94 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (10.94 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Dehydroacetic acid sodium, a pyrone derivative acts as an antibacterial and antifungal agent. Dehydroacetic acid possess phytotoxic activity ^[1] .
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REFERENCES

[1]. Baldwin AG, et al. Synthesis and antibacterial activities of enamine derivatives of dehydroacetic acid. Med Chem Res. 2018;27(3):884-889.

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