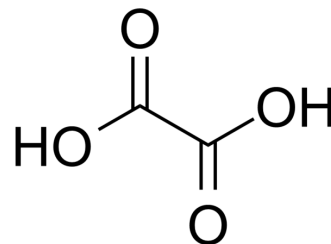


Oxalic acid, 99%

Cat. No.:	HY-Y0262		
CAS No.:	144-62-7		
Molecular Formula:	C ₂ H ₂ O ₄		
Molecular Weight:	90.03		
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 : 130 mg/mL (1443.96 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	11.1074 mL	55.5370 mL	111.0741 mL
				5 mM	2.2215 mL	11.1074 mL	22.2148 mL
				10 mM	1.1107 mL	5.5537 mL	11.1074 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: 3.25 mg/mL (36.10 mM); Suspended solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 3.25 mg/mL (36.10 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3.25 mg/mL (36.10 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Oxalic Acid is a strong dicarboxylic acid occurring in many plants and vegetables and can be used as an analytical reagent and general reducing agent.
In Vitro	Oxalic Acid, a pathogenicity factor for sclerotinia sclerotiorum, suppresses the Oxidative burst of the host plant and directly inhibits the OGA-stimulated production of H ₂ O ₂ by soybean cells, even in the absence of other fungal components ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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