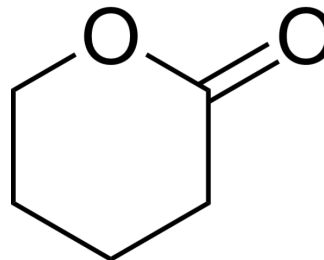


Tetrahydro-2H-pyran-2-one

Cat. No.:	HY-W012997
CAS No.:	542-28-9
Molecular Formula:	C ₅ H ₈ O ₂
Molecular Weight:	100.12
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (998.80 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	9.9880 mL	49.9401 mL	99.8801 mL
				5 mM	1.9976 mL	9.9880 mL	19.9760 mL
				10 mM	0.9988 mL	4.9940 mL	9.9880 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: ≥ 2.5 mg/mL (24.97 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (24.97 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Tetrahydro-2H-pyran-2-one is an endogenous metabolite.
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Caution: Product has not been fully validated for medical applications. For research use only.

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