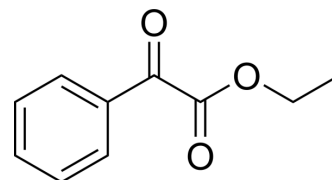


Ethyl phenylglyoxylate

Cat. No.:	HY-W016618		
CAS No.:	1603-79-8		
Molecular Formula:	C ₁₀ H ₁₀ O ₃		
Molecular Weight:	178.18		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-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 (561.23 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.6123 mL	28.0615 mL	56.1230 mL
	5 mM	1.1225 mL	5.6123 mL	11.2246 mL
	10 mM	0.5612 mL	2.8062 mL	5.6123 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 (14.03 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (14.03 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (14.03 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Ethyl phenylglyoxylate (Ethyl benzoylformate; Phenylglyoxylic acid ethyl ester) is the ethyl ester of phenylglyoxylic acid, used as a synthetic reagent^[1].

REFERENCES

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

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