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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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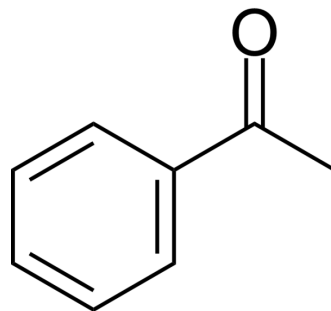
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Acetophenone

Cat. No.:	HY-Y0989		
CAS No.:	98-86-2		
Molecular Formula:	C ₈ H ₈ O		
Molecular Weight:	120.15		
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 (832.29 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	8.3229 mL	41.6146 mL	83.2293 mL
	5 mM	1.6646 mL	8.3229 mL	16.6459 mL
	10 mM	0.8323 mL	4.1615 mL	8.3229 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 (20.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (20.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (20.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Acetophenone (1-Phenylethan-1-one) is an organic compound with simple structure. Acetophenone can be used in chemical synthesis^[1].

CUSTOMER VALIDATION

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- bioRxiv. 2023 Jun 3.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Żymańczyk-Duda E, et al. Reductive capabilities of different cyanobacterial strains towards acetophenone as a model substrate - Prospect of applications for chiral building blocks synthesis. Bioorg Chem. 2019 Feb 25. pii: S0045-2068(18)31467-6.

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

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