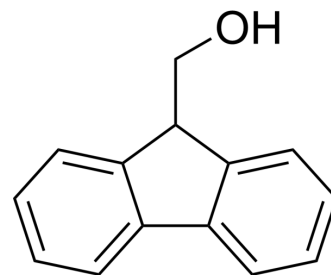


9-Fluorenylmethanol

Cat. No.:	HY-W009876		
CAS No.:	24324-17-2		
Molecular Formula:	C ₁₄ H ₁₂ O		
Molecular Weight:	196.25		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (63.69 mM; ultrasonic and warming and heat to 70°C)
 Ethanol : 10 mg/mL (50.96 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		5.0955 mL	25.4777 mL	50.9554 mL
	5 mM		1.0191 mL	5.0955 mL	10.1911 mL
	10 mM		0.5096 mL	2.5478 mL	5.0955 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: ≥ 1.25 mg/mL (6.37 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 1.25 mg/mL (6.37 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 1.25 mg/mL (6.37 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

9-Fluorenylmethanol is an N-protecting reagent that can be used in peptide synthesis^[1].

REFERENCES

[1]. Carlo Siciliano, et al. A one-pot procedure for the preparation of N-9-fluorenylmethyloxycarbonyl- α -amino diazoketones from α -amino acids. J Org Chem. 2012 Dec 7;77(23):10575-82.

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

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