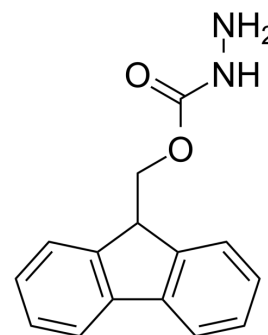


9-Fluorenylmethyl carbazate

Cat. No.:	HY-W017873		
CAS No.:	35661-51-9		
Molecular Formula:	C ₁₅ H ₁₄ N ₂ O ₂		
Molecular Weight:	254.28		
Target:	Fluorescent Dye		
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 : 50 mg/mL (196.63 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.9327 mL	19.6634 mL	39.3267 mL
	5 mM	0.7865 mL	3.9327 mL	7.8653 mL
	10 mM	0.3933 mL	1.9663 mL	3.9327 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: ≥ 1.25 mg/mL (4.92 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.25 mg/mL (4.92 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

9-Fluorenylmethyl carbazate is used as a fluorophore reagent for a fluorimetric detection of glycans^[1].

REFERENCES

- [1]. Kinoshita M, et al. A practical method for preparing fluorescent-labeled glycans with a 9-fluorenylmethyl derivative to simplify a fluorimetric HPLC-based analysis. J Pharm Biomed Anal. 2020 Jul 15;186:113267.

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

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