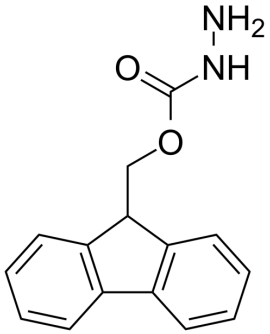
9-Fluorenylmethyl carbazate

Cat. No.:	HY-W017873
CAS No.:	35661-51-9
Molecular Formula:	$C_{15}H_{14}N_2O_2$
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)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	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

1. 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
2. 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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA