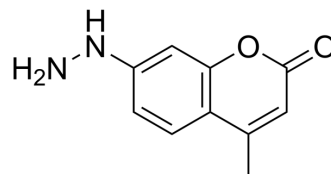


Coumarin hydrazine

Cat. No.:	HY-124197
CAS No.:	113707-87-2
Molecular Formula:	C ₁₀ H ₁₀ N ₂ O ₂
Molecular Weight:	190.2
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMF : 12.5 mg/mL (65.72 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.2576 mL	26.2881 mL	52.5762 mL
	5 mM	1.0515 mL	5.2576 mL	10.5152 mL
	10 mM	0.5258 mL	2.6288 mL	5.2576 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Coumarin hydrazine is a fluorescent chemical probe (λ_{ex} =420–450/ λ_{em} =468nm) to label cellular protein- and lipid-bound carbonyls^[1].

REFERENCES

[1]. Venukumar Vemula, et al. Fluorescence labeling of carbonylated lipids and proteins in cells using coumarin-hydrazide. Redox Biol. 2015 Aug;5:195-204.

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

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