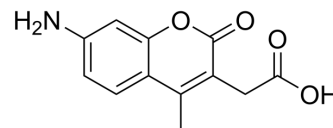


7-Amino-4-methylcoumarin-3-acetic acid

Cat. No.:	HY-D0025
CAS No.:	106562-32-7
Molecular Formula:	C ₁₂ H ₁₁ NO ₄
Molecular Weight:	233.22
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (535.97 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.2878 mL	21.4390 mL	42.8780 mL
	5 mM	0.8576 mL	4.2878 mL	8.5756 mL
	10 mM	0.4288 mL	2.1439 mL	4.2878 mL

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

BIOLOGICAL ACTIVITY

Description

7-Amino-4-methylcoumarin-3-acetic acid is a fluorescent protein labelling agent. 7-Amino-4-methylcoumarin-3-acetic acid emits in the blue region (440-460 nm) on activation with UV light (350 nm)^[1].

REFERENCES

[1]. Khalfan H, et al. Aminomethyl coumarin acetic acid: a new fluorescent labelling agent for proteins. Histochem J. 1986;18(9):497-499.

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

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