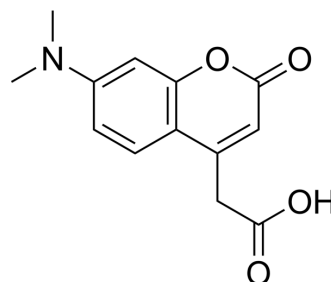


7-Dimethylaminocoumarin-4-acetic acid

Cat. No.:	HY-W040681
CAS No.:	80883-54-1
Molecular Formula:	C ₁₃ H ₁₃ NO ₄
Molecular Weight:	247.25
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 : 100 mg/mL (404.45 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	4.0445 mL	20.2224 mL	40.4449 mL
		5 mM	0.8089 mL	4.0445 mL	8.0890 mL
	10 mM	0.4044 mL	2.0222 mL	4.0445 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (10.11 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	7-Dimethylaminocoumarin-4-acetic acid is a fluorescent probe ^[1] .
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REFERENCES

[1]. Portonovo P, et al. First total synthesis of a fluorescent didemnin[J]. Tetrahedron, 2000, 56(23): 3687-3690.

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

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