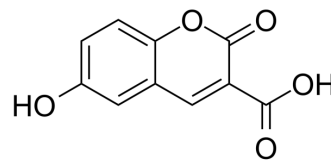


3-Carboxy-6-hydroxycoumarin

Cat. No.:	HY-W023023		
CAS No.:	56437-16-2		
Molecular Formula:	C ₁₀ H ₆ O ₅		
Molecular Weight:	206.15		
Target:	Others		
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 : ≥ 100 mg/mL (485.08 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.8508 mL	24.2542 mL	48.5084 mL
	5 mM	0.9702 mL	4.8508 mL	9.7017 mL
	10 mM	0.4851 mL	2.4254 mL	4.8508 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: ≥ 2.5 mg/mL (12.13 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3-Carboxy-6-hydroxycoumarin is an intermediate in organic syntheses^[1].

REFERENCES

[1]. Francesco Fringuelli, et al. One-Pot Synthesis of 3-Carboxycoumarins via Consecutive Knoevenagel and Pinner Reactions in Water. *Synthesis* 2003(15): 2331-2334.

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

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