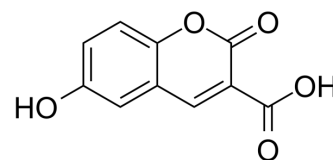


## 3-Carboxy-6-hydroxycoumarin

Cat. No.:	HY-W023023
CAS No.:	56437-16-2
Molecular Formula:	C <sub>10</sub> H <sub>6</sub> O <sub>5</sub>
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.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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<sup>[1]</sup>.

### 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.

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

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