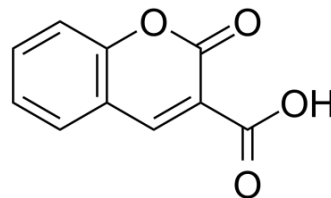


## Coumarin-3-carboxylic Acid

Cat. No.:	HY-W027968		
CAS No.:	531-81-7		
Molecular Formula:	C <sub>10</sub> H <sub>6</sub> O <sub>4</sub>		
Molecular Weight:	190.15		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

Coumarin-3-carboxylic acid (2-Oxochromene-3-carboxylic acid) is an important initial compound for the synthesis of coumarins which are well known natural products for their diverse biological activities. Lanthanide complexes of Coumarin-3-carboxylic acid exhibit antiproliferative activity towards K-562 cell line<sup>[1][2]</sup>.

### REFERENCES

[1]. Aimin Song, et al. A convenient synthesis of coumarin-3-carboxylic acids via Knoevenagel condensation of Meldrum's acid with ortho-hydroxyaryl aldehydes or ketones. *Tetrahedron Letters*. 2003 Feb;44(9): 1755-1758.

[2]. Kostova I, et al. New Samarium(III), Gadolinium(III), and Dysprosium(III) Complexes of Coumarin-3-Carboxylic Acid as Antiproliferative Agents. *Met Based Drugs*. 2007;2007:15925.

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

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