

7-Hydroxycoumarin-3-carboxylic acid

Chemical Properties

CAS No. : 779-27-1

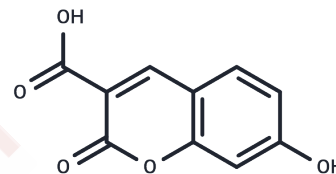
Formula: C₁₀H₆O₅

Molecular Weight: 206.15

Storage: Keep away from direct sunlight, Store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	7-Hydroxycoumarin-3-carboxylic acid (7-HC-3-CA) is a safe anti-browning agent that inhibits tyrosinase activity, used in food preservation and human pigmentation research.
Targets(IC50)	Tyrosinase

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.097 mL	0.4851 mL	0.9702 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sun WC, et al. Synthesis of novel fluorinated coumarins: excellent UV-light excitable fluorescent dyes. Bioorg Med Chem Lett. 1998 Nov 17;8(22):3107-10.

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