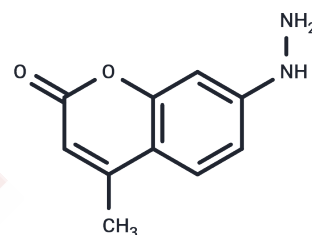


Coumarin hydrazine

Chemical Properties

CAS No. :	113707-87-2
Formula:	C10H10N2O2
Molecular Weight:	190.2
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Coumarin hydrazine is a fluorophore containing an aromatic hydrazine moiety that serves as a fluorescent chemical probe for labeling intracellular protein- and lipid-bound carbonyls, and as a fluorescent sensor in living cells for the detection of carbonylated biomolecules produced following oxidative stress.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2576 mL	26.2881 mL	52.5762 mL
5 mM	1.0515 mL	5.2576 mL	10.5152 mL
10 mM	0.5258 mL	2.6288 mL	5.2576 mL
50 mM	0.1052 mL	0.5258 mL	1.0515 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

Venukumar Vemula, et al. Fluorescence labeling of carbonylated lipids and proteins in cells using coumarin-hydrazide. Redox Biol. 2015 Aug;5:195-204.

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