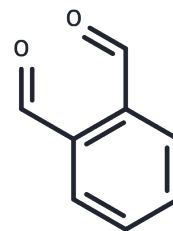


Phthalaldehyde

Chemical Properties

CAS No. :	643-79-8
Formula:	C ₈ H ₆ O ₂
Molecular Weight:	134.13
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Phthalaldehyde is a non-fluorescent compound that reacts with primary amines in the presence of sulfhydryl groups to form fluorescent products. It has an excitation peak at 340 nm and a fluorescence emission range of 430-455 nm, making it suitable for detecting amines, amino acids, peptides, and amino carbohydrates.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.4555 mL	37.2773 mL	74.5545 mL
5 mM	1.4911 mL	7.4555 mL	14.9109 mL
10 mM	0.7455 mL	3.7277 mL	7.4555 mL
50 mM	0.1491 mL	0.7455 mL	1.4911 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

Lai YJ, Tseng WL. Gold nanoparticle extraction followed by o-phthalaldehyde derivatization for fluorescence sensing of different forms of homocysteine in plasma. *Talanta*. 2012 Mar 15;91:103-9.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481