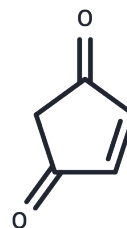


Cyclopent-4-ene-1,3-dione

Chemical Properties

CAS No. :	930-60-9
Formula:	C ₅ H ₄ O ₂
Molecular Weight:	96.08
Storage:	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	Cyclopent-4-ene-1,3-dione is a highly reactive cyclic diketone organic compound that has been employed as a key synthetic intermediate in the laboratory synthesis of more complex molecules, including 2-methoxymethylene-Cyclopent-4-ene-1,3-dione and the natural product derivative chrysotrine B (a 2-acylcyclopentene-1,3-dione derivative), Cyclopent-4-ene-1,3-dione was historically used to investigate the influence of sulfhydryl group-specific chemical reagents on the activity of bovine heart phospholipid exchange protein.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.408 mL	52.040 mL	104.0799 mL
5 mM	2.0816 mL	10.408 mL	20.816 mL
10 mM	1.0408 mL	5.204 mL	10.408 mL
50 mM	0.2082 mL	1.0408 mL	2.0816 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

Wang AZ, et al. Structurally diverse polycyclic polyprenylated acylphloroglucinols with protective effect on human vein endothelial cells injured by high-glucose from Hypericum acmosepalum N. Robson. Phytochemistry. 2023 Jan;205:113482.

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