

CM-H2DCFDA

Chemical Properties

CAS No. :	850013-49-9
Formula:	C ₂₇ H ₁₉ Cl ₃ O ₈
Molecular Weight:	577.79
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	CM-H2DCFDA is a fluorescent indicator for reactive oxygen species (ROS) in cells.
Targets(IC50)	Others,Reactive Oxygen Species

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7307 mL	8.6537 mL	17.3073 mL
5 mM	0.3461 mL	1.7307 mL	3.4615 mL
10 mM	0.1731 mL	0.8654 mL	1.7307 mL
50 mM	0.0346 mL	0.1731 mL	0.3461 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

Oparka M, Walczak J, Malinska D, van Oppen LMPE, Szczepanowska J, Koopman WJH, Wieckowski MR. Quantifying ROS levels using CM-H(2)DCFDA and HyPer. *Methods*. 2016 Oct 15;109:3-11. doi: 10.1016/j.ymeth.2016.06.008. Epub 2016 Jun 11. Review. PubMed PMID: 27302663.

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