

CYMAL-5

Chemical Properties

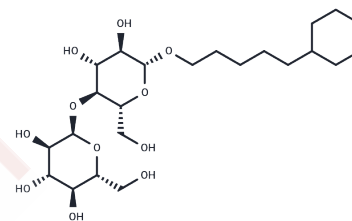
CAS No. : 250692-65-0

Formula: C₂₃H₄₂O₁₁

Molecular Weight: 494.57

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	Cymal-5 is an additive for gel-based membrane proteomics.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.022 mL	10.1098 mL	20.2196 mL
5 mM	0.4044 mL	2.022 mL	4.0439 mL
10 mM	0.2022 mL	1.011 mL	2.022 mL
50 mM	0.0404 mL	0.2022 mL	0.4044 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

McClelland LJ, Steele HB, Whitby FG, Mou TC, Holley D, Ross JB, Sprang SR, Bowler BE. Cytochrome c Can Form a Well-Defined Binding Pocket for Hydrocarbons. *J Am Chem Soc.* 2016 Dec 28;138(51):16770-16778. doi: 10.1021/jacs.6b10745. Epub 2016 Dec 19. PubMed PMID: 27990813; PubMed Central PMCID: PMC5564421.

Adrien V, Rayan G, Reffay M, Porcar L, Maldonado A, Ducruix A, Urbach W, Taulier N. Characterization of a Biomimetic Mesophase Composed of Nonionic Surfactants and an Aqueous Solvent. *Langmuir.* 2016 Oct 11;32(40):10268-10275. Epub 2016 Sep 28. PubMed PMID: 27618561.

Shah MB, Jang HH, Wilderman PR, Lee D, Li S, Zhang Q, Stout CD, Halpert JR. Effect of detergent binding on cytochrome P450 2B4 structure as analyzed by X-ray crystallography and deuterium-exchange mass spectrometry. *Biophys Chem.* 2016 Sep;216:1-8. doi: 10.1016/j.bpc.2016.05.007. Epub 2016 Jun 1. PubMed PMID: 27280734; PubMed Central PMCID: PMC4983516.

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