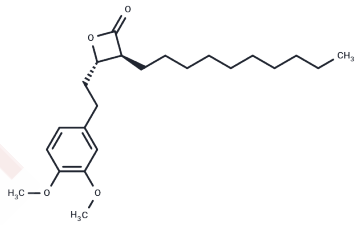
# Data Sheet (Cat.No.T24591)

TargetMol

## Palmostatin B

### Chemical Properties



CAS No. : 1233365-12-2

Formula: C23H36O4

Molecular Weight: 376.53

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 | Palmostatin B is a modulator of Ras-signaling that acts by targeting acyl protein thioesterase 1 (APT1) and 2 (APT2) in cells. |
| Targets(IC50) | Others,Phospholipase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.6558 mL | 13.2792 mL | 26.5583 mL |
| 5 mM | 0.5312 mL | 2.6558 mL | 5.3117 mL |
| 10 mM | 0.2656 mL | 1.3279 mL | 2.6558 mL |
| 50 mM | 0.0531 mL | 0.2656 mL | 0.5312 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

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Qiu T, Kathayat RS, Cao Y, Beck MW, Dickinson BC. A Fluorescent Probe with Improved Water Solubility Permits the Analysis of Protein S-Depalmitoylation Activity in Live Cells. Biochemistry. 2018 Jan 16;57(2):221-225. doi: 10.1021/acs.biochem.7b00835. Epub 2017 Oct 18. PubMed PMID: 29023093; PubMed Central PMCID: PMC5823605.

Lin DTS, Davis NG, Conibear E. Targeting the Ras palmitoylation/depalmitoylation cycle in cancer. Biochem Soc Trans. 2017 Aug 15;45(4):913-921. doi: 10.1042/BST20160303. Epub 2017 Jun 19. Review. PubMed PMID: 28630138.

Turcotte C, Zarini S, Jean S, Martin C, Murphy RC, Marsolais D, Laviolette M, Blanchet MR, Flamand N. The Endocannabinoid Metabolite Prostaglandin E(2) (PGE(2))-Glycerol Inhibits Human Neutrophil Functions: Involvement of Its Hydrolysis into PGE(2) and EP Receptors. J Immunol. 2017 Apr 15;198(8):3255-3263. doi: 10.4049/jimmunol.1601767. Epub 2017 Mar 3. PubMed PMID: 28258202.