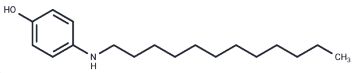
Data Sheet (Cat.No.T25925)

TargetMol

p-DDAP

Chemical Properties



CAS No. : 25848-37-7

Formula: C18H31NO

Molecular Weight: 277.44

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	p-DDAP is an anti-invasive agent that acts by significantly suppressing cell invasion, and the activity and mRNA expression of matrix metalloproteinase-9 (MMP-9).
Targets(IC50)	Apoptosis,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6044 mL	18.0219 mL	36.0438 mL
5 mM	0.7209 mL	3.6044 mL	7.2088 mL
10 mM	0.3604 mL	1.8022 mL	3.6044 mL
50 mM	0.0721 mL	0.3604 mL	0.7209 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

Takahashi N, Koyama S, Hasegawa S, Yamasaki M, Imai M. Anticancer efficacy of p-dodecylaminophenol against high-risk and refractory neuroblastoma cells in vitro and in vivo. Bioorg Med Chem Lett. 2017 Oct 15;27(20):4664-4672. doi: 10.1016/j.bmcl.2017.09.005. Epub 2017 Sep 9. PubMed PMID: 28927789.

Takahashi N, Egawa R, Imai M, Takahashi K, Ohba T, Imaizumi M. The anti-tumor agent, p-DDAP potently suppresses proliferation through apoptosis in human neuroblastoma NB-39-nu cells. Cancer Lett. 2010 Nov 28;297(2):252-8. doi: 10.1016/j.canlet.2010.05.018. Epub 2010 Jun 26. PubMed PMID: 20580487.

Takahashi N, Fujiu Y. Effects of the aminophenol analogue p-Dodecylaminophenol on mouse skin. J Invest Dermatol. 2010 May;130(5):1258-67. doi: 10.1038/jid.2009.386. Epub 2009 Dec 24. PubMed PMID: 20032991.

Takahashi N, Watanabe Y, Maitani Y, Yamauchi T, Higashiyama K, Ohba T. p-Dodecylaminophenol derived from the synthetic retinoid, fenretinide: antitumor efficacy in vitro and in vivo against human prostate cancer and mechanism of action. Int J Cancer. 2008 Feb 1;122(3):689-98. PubMed PMID: 17955489.

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