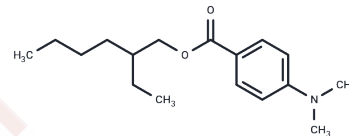


Padimate O

Chemical Properties

CAS No. :	21245-02-3
Formula:	C ₁₇ H ₂₇ N ₂ O ₂
Molecular Weight:	277.40
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	Padimate O, a UVB absorber, is a major ingredient in sunscreens.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6049 mL	18.0245 mL	36.049 mL
5 mM	0.721 mL	3.6049 mL	7.2098 mL
10 mM	0.3605 mL	1.8025 mL	3.6049 mL
50 mM	0.0721 mL	0.3605 mL	0.721 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

Gange RW, Soparkar A, Matzinger E, Dromgoole SH, Sefton J, DeGryse R. Efficacy of a sunscreen containing butyl methoxydibenzoylmethane against ultraviolet A radiation in photosensitized subjects. *J Am Acad Dermatol.* 1986 Sep;15(3):494-9. PubMed PMID: 3760274.

Knowland J, McKenzie EA, McHugh PJ, Cridland NA. Sunlight-induced mutagenicity of a common sunscreen ingredient. *FEBS Lett.* 1993 Jun 21;324(3):309-13. PubMed PMID: 8405372.

Dunkel VC, San RH, Harbell JW, Seifried HE, Cameron TP. Evaluation of the mutagenicity of an N-nitroso contaminant of the sunscreen Padimate O: N-nitroso-N-methyl-p-aminobenzoic acid, 2-ethylhexyl ester (NPABAO). *Environ Mol Mutagen.* 1992;20(3):188-98. PubMed PMID: 1396609.

Lowé NJ, Dromgoole SH, Sefton J, Bourget T, Weingarten D. Indoor and outdoor efficacy testing of a broad-spectrum sunscreen against ultraviolet A radiation in psoralen-sensitized subjects. *J Am Acad Dermatol.* 1987 Aug; 17(2 Pt 1):224-30. PubMed PMID: 3624560.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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