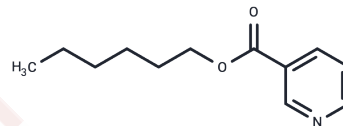


Hexyl nicotinate

Chemical Properties

CAS No. :	23597-82-2
Formula:	C ₁₂ H ₁₇ NO ₂
Molecular Weight:	207.27
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Hexyl nicotinate (A13 15769) is a cutaneous vasodilator and can be used in research on non-immunologic contact urticaria on the scalp, face, and back.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (241.23 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2.5 mg/mL (12.06 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8246 mL	24.1231 mL	48.2462 mL
5 mM	0.9649 mL	4.8246 mL	9.6492 mL
10 mM	0.4825 mL	2.4123 mL	4.8246 mL
50 mM	0.0965 mL	0.4825 mL	0.9649 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

Zhai H, et al. Reactions of non-immunologic contact urticaria on scalp, face, and back. *Skin Res Technol.* 2012 Nov;18(4):436-41.

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Sivamani RK, et al. Microneedle penetration and injection past the stratum corneum in humans. *J Dermatolog Treat.* 2009;20(3):156-9.

Uchimura T, et al. Estimation of serum protein binding of compounds metabolized in serum using matrix inhibition. *Biopharm Drug Dispos.* 2008 Jul;29(5):308-10.

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