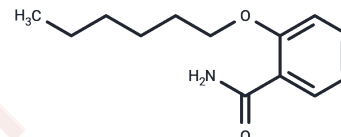


Exalamide

Chemical Properties

CAS No. :	53370-90-4
Formula:	C ₁₃ H ₁₉ NO ₂
Molecular Weight:	221.3
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Exalamide (2-(Hexyloxy)benzamide) is an aromatic amide with antifungal activity used in the study of dermatophytes.
Targets(IC50)	Antifungal

Solubility Information

Solubility	Methanol: 20 mg/mL (90.38 mM),Sonication and heating are recommended. DMSO: 80 mg/mL (361.5 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (14.91 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	4.5188 mL	22.5938 mL	45.1875 mL
5 mM	0.9038 mL	4.5188 mL	9.0375 mL
10 mM	0.4519 mL	2.2594 mL	4.5188 mL
50 mM	0.0904 mL	0.4519 mL	0.9038 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

T Kusunoki, et al. Comparison of the in vitro antifungal activities of clotrimazole, miconazole, econazole and exalamide against clinical isolates of dermatophytes. J Dermatol. 1984 Jun;11(3):277-81.

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