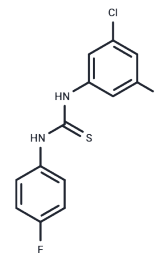


Loflucarban

Chemical Properties

CAS No. :	790-69-2
Formula:	C ₁₃ H ₉ Cl ₂ FN ₂ S
Molecular Weight:	315.19
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	Loflucarban (Fluonilid) is an antimycotic compound.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 50 mg/mL (158.63 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1727 mL	15.8634 mL	31.7269 mL
5 mM	0.6345 mL	3.1727 mL	6.3454 mL
10 mM	0.3173 mL	1.5863 mL	3.1727 mL
50 mM	0.0635 mL	0.3173 mL	0.6345 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

- J S Mills, et al. Synthesis of a New Class of Potent Cortical Hormones. 6 α ,9 α -Difluoro-16 α -Hydroxyprednisolone and its Acetonide, Journal of the American Chemical Society, 80, 3399-3404 (1960)
- Hara ES, et al. Fluocinolone Acetonide is a Potent Synergistic Factor of TGF- β 3-Associated Chondrogenesis of Bone Marrow-Derived Mesenchymal Stem Cells for Articular Surface Regeneration. J Bone Miner Res. 2015

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