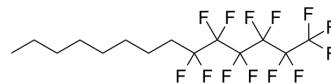


Perfluorohexyloctane

Cat. No.:	HY-W143531		
CAS No.:	133331-77-8		
Molecular Formula:	C ₁₄ H ₁₇ F ₁₃		
Molecular Weight:	432.26		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (231.34 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3134 mL	11.5671 mL	23.1342 mL
		5 mM	0.4627 mL	2.3134 mL	4.6268 mL
10 mM		0.2313 mL	1.1567 mL	2.3134 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.78 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.78 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.78 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Perfluorohexyloctane (NOV03), a semifluorinated alkane, reduces tear film instability in Meibomian gland dysfunction and evaporative dry eye disease. Perfluorohexyloctane is a long-term tamponade agent. Perfluorohexyloctane increases tear film breakup time and lipid layer thickness ^[1] .
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REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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