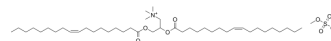


## DOTAP methylsulfate

Cat. No.:	HY-W127378
CAS No.:	144189-73-1
Molecular Formula:	C <sub>43</sub> H <sub>83</sub> NO <sub>8</sub> S
Molecular Weight:	774.19
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 16.67 mg/mL (21.53 mM); ultrasonic and warming and heat to 60°C					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	1.2917 mL	6.4584 mL	12.9167 mL
			5 mM	0.2583 mL	1.2917 mL	2.5833 mL
			10 mM	0.1292 mL	0.6458 mL	1.2917 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.67 mg/mL (2.16 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	DOTAP Transfection Reagent is a cationic derivative of trimethylammonium attached to two 18-carbon fatty acid tails, each with a single alkene group. 18:1 TAP is a cationic liposome-forming compound useful for the transfection of DNA, RNA, and other negatively charged molecules into eukaryotic cells.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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