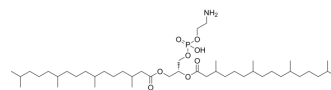


## DPyPE

<b>Cat. No.:</b>	HY-112766
<b>CAS No.:</b>	201036-16-0
<b>Molecular Formula:</b>	C <sub>45</sub> H <sub>90</sub> NO <sub>8</sub> P
<b>Molecular Weight:</b>	804.17
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



## SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (124.35 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		1.2435 mL	6.2176 mL	12.4352 mL
<b>5 mM</b>			0.2487 mL	1.2435 mL	2.4870 mL	
	<b>10 mM</b>		0.1244 mL	0.6218 mL	1.2435 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.11 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.11 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.11 mM); Clear solution					

## BIOLOGICAL ACTIVITY

<b>Description</b>	DPyPE is a phosphatidylethanolamine lipid composed of polyisoprene alkyl chains. DPyPE is a co-lipid forvaxfectin mixed with GAP-DMORIE in a 1:1 ratio <sup>[1]</sup> .
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## REFERENCES

[1]. Iotrolan is a radiocontrast agent. Iotrolan has no effect on NP cell viability or induce apoptosis<sup>[1]</sup>.

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

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