



# SZABO SCANDIC

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## Produktinformation



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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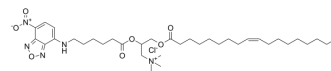
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## Fluorescent DOTAP

<b>Cat. No.:</b>	HY-143702
<b>CAS No.:</b>	1010076-97-7
<b>Molecular Formula:</b>	C <sub>36</sub> H <sub>60</sub> ClN <sub>5</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	710.34
<b>Target:</b>	Liposome
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 20 mg/mL (28.16 mM); ultrasonic and warming and heat to 60°C																			
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td><b>Preparing Stock Solutions</b> 1 mM</td> <td>1.4078 mL</td> <td>7.0389 mL</td> <td>14.0778 mL</td> </tr> <tr> <td>5 mM</td> <td>0.2816 mL</td> <td>1.4078 mL</td> <td>2.8156 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1408 mL</td> <td>0.7039 mL</td> <td>1.4078 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	<b>Preparing Stock Solutions</b> 1 mM	1.4078 mL	7.0389 mL	14.0778 mL	5 mM	0.2816 mL	1.4078 mL	2.8156 mL	10 mM	0.1408 mL	0.7039 mL	1.4078 mL
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	Please refer to the solubility information to select the appropriate solvent.																			
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2 mg/mL (2.82 mM); Clear solution																			

### BIOLOGICAL ACTIVITY

<b>Description</b>	Fluorescent DOTAP, a cationic lipid, can be used for the research of nucleic acid and protein delivery <sup>[1]</sup> . Fluorescent DOTAP is labeled with a fluorophore NBD (maximum excitation/emission wavelength -463/536 nm).
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### REFERENCES

[1]. Dmitri Simberg, et al. DOTAP (and other cationic lipids): chemistry, biophysics, and transfection. Crit Rev Ther Drug Carrier Syst. 2004;21(4):257-317.

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

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