



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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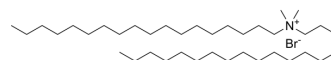
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## Dimethyldioctadecylammonium bromide

<b>Cat. No.:</b>	HY-131119
<b>CAS No.:</b>	3700-67-2
<b>Molecular Formula:</b>	C <sub>38</sub> H <sub>80</sub> BrN
<b>Molecular Weight:</b>	630.95
<b>Target:</b>	Liposome
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	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 : 2 mg/mL (3.17 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.5849 mL	7.9246 mL	15.8491 mL
	5 mM	---	---	---
	10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Dimethyldioctadecylammonium bromide is a synthetic cationic lipid commonly used in gene delivery and vaccine development. Also known as DODAB or DDAB, it consists of a positively charged ammonium head group and two long hydrophobic tails. These properties make it useful for forming liposomes and other lipid-based nanoparticles that can efficiently deliver genetic material into cells. In addition to its applications in biotechnology, DDAB is also used in surfactants, emulsifiers and fabric softeners. However, due to its potential toxicity and irritation, extreme care should be taken when handling DDAB.

#### In Vitro

Dimethyldioctadecylammonium (bromide) is a biochemical reagent that can be used as a biological material or organic compound for life science related research.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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