



# 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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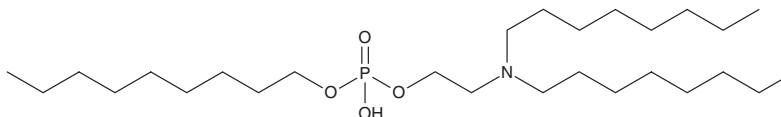
# PRODUCT INFORMATION



## 9A1P9

Item No. 37276

CAS Registry No.: 2760467-57-8  
Formal Name: 2-(dioctylamino)ethyl nonyl  
hydrogen phosphate  
MF:  $C_{27}H_{58}NO_4P$   
FW: 491.7  
Purity:  $\geq 95\%$   
Supplied as: A solid  
Storage:  $-20^{\circ}C$   
Stability:  $\geq 4$  years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

9A1P9 is supplied as a solid. A stock solution may be made by dissolving the 9A1P9 in the solvent of choice, which should be purged with an inert gas. 9A1P9 is soluble in organic solvents such as ethanol and dimethyl formamide. The solubility of 9A1P9 in these solvents is approximately 5 and 2 mg/ml, respectively.

### Description

9A1P9 is a multi-tail ionizable cationic phospholipid.<sup>1</sup> It induces membrane destabilization and has been used for organ-selective mRNA delivery to the spleen and liver and CRISPR-Cas9 gene editing in mice.

### Reference

1. Liu, S., Cheng, Q., Wei, T., *et al.* Membrane-destabilizing ionizable phospholipids for organ-selective mRNA delivery and CRISPR-Cas gene editing. *Nat. Mater.* **20**(5), 701-710 (2021).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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