[Toutes les photos \(1\)](#)

Documents

[FDS](#)[COO/COA](#)[Plus de documents »](#)**890890P Avanti****18:1 TAP (DOTAP)**

Avanti Polar Lipids 890890P, powder

Synonyme(s):

1,2-dioleoyl-3-trimethylammonium-propane (chloride salt)

Empirical Formula (Hill Notation):

C₄₂H₈₀NO₄Cl

Numéro CAS:

132172-61-3

Poids moléculaire:

698.54

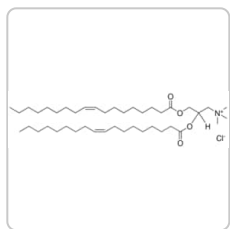
NACRES:

NA.25

Référence	Conditionnement	Disponibilité		Prix	Quantité
890890P-25MG	25 MG	✓ Only 2 left in stock (more on the way)	Détails...	214,00 €	- + i
890890P-200MG	200 MG	✓ Only 3 left in stock (more on the way)	Détails...	445,00 €	- + i
890890P-500MG	500 MG	✓ Only 1 left in stock (more on the way)	Détails...	919,00 €	- + i
890890P-1G	1 G	✓ Only 1 left in stock (more on the way)	Détails...	1 670,00 €	- + i

[Demander une commande en gros](#)[Ajouter au panier](#)

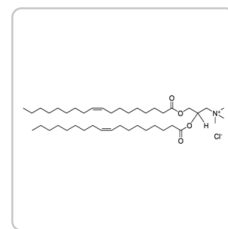
PRODUITS RECOMMANDÉS



Sigma-Aldrich

D6182**DOTAP chloride**

≥98% (TLC), powder

[Consulter le prix et la disponibilité](#)

Avanti

890890C**18:1 TAP (DOTAP)**

Avanti Polar Lipids 890890C

[Consulter le prix et la disponibilité](#)

PROPRIÉTÉS

Forme powder

Conditionnement
pkg of 1 × 1 g (890890P-1g)
pkg of 2 × 100 mg (890890P-200mg)
pkg of 5 × 100 mg (890890P-500mg)
pkg of 1 × 25 mg (890890P-25mg)

manufacturer/tradename Avanti Polar Lipids 890890P

Expédié(e)s dans dry ice

Temp. de stockage -20°C

SMILES string

[H]C(C[N+](C)(C)C)(OC(CCCCCC/C=C\CCCCCCCC)=O)COC(CCCCCC/C=C\CCCCCCCC)=O.[Cl-]

Catégories apparentées

[Lipids for Therapeutics and Research](#)

DESCRIPTION

Application

18:1 TAP (DOTAP) has been used in chloroform solutions to form dry film in the preparation of cationic liposomes. It has also been used in standard stock solution used for the preparation of cationic liposomes.

Actions biochimiques/physiologiques

DOTAP (1,2-dioleoyl-3-trimethylammonium-propane) is a cationic lipid structure, used for *in vitro* and *in vivo* nucleic acid and protein delivery. The lipid composition and cell type affects the transfection potential of DOTAP. DOTAP mediates gene knockdown technique in hematopoietic stem cells (HSCs).

Conditionnement

5 mL Clear Glass Sealed Ampule (890890P-200mg)

5 mL Clear Glass Sealed Ampule (890890P-25mg)

5 mL Clear Glass Sealed Ampule (890890P-500mg)

60 mL Amber Wide Mouth Screw Cap Glass Bottle (890890P-1g)

PRODUITS APPARENTÉS

Souvent Commandé Avec Ce Produit

S3014

Sodium chloride, for molecular biology, DNase, RNase, and protease, none detected, ≥99% (titration)

[View Pricing](#)

S7653

Sodium chloride, BioXtra, ≥99.5% (AT)

[View Pricing](#)

A2942

Amphotericin B solution, 250 µg/mL in deionized water, 0.1 µm filtered, BioReagent, suitable for cell culture

[View Pricing](#)

R5010

Resveratrol, ≥99% (HPLC)

[View Pricing](#)

I9516

2-Propanol, BioReagent, for molecular biology, ≥99.5%

[View Pricing](#)

L6876

Lysozyme from chicken egg white, lyophilized powder, protein $\geq 90\%$, $\geq 40,000$ units/mg protein

[View Pricing](#)**T4174**

Trypsin-EDTA solution, 10 ×, sterile-filtered, BioReagent, suitable for cell culture, 5.0 g porcine trypsin and 2 g EDTA, 4Na per liter of 0.9% sodium chloride

[View Pricing](#)**D8418**

Dimethyl sulfoxide, for molecular biology

[View Pricing](#)**P1379**

TWEEN[®] 20, viscous liquid

[View Pricing](#)**T8154**

Trypan Blue solution, 0.4%, liquid, sterile-filtered, suitable for cell culture

[View Pricing](#)**D6750**

Sodium deoxycholate, $\geq 97\%$ (titration)

[View Pricing](#)

P3032

Penicillin G sodium salt, powder, BioReagent, suitable for cell culture

[View Pricing](#)**G8898**

Glycine, suitable for electrophoresis, ≥99%

[View Pricing](#)**A2153**

Bovine Serum Albumin, lyophilized powder, ≥96% (agarose gel electrophoresis)

[View Pricing](#)**T1503**

Trizma[®] base, Primary Standard and Buffer, ≥99.9% (titration), crystalline

[View Pricing](#)**B6916**

Bradford Reagent, for 0.1-1.4 mg/ml protein

[View Pricing](#)**A5955**

Antibiotic Antimycotic Solution (100×), Stabilized, with 10,000 units penicillin, 10 mg streptomycin and 25 µg amphotericin B per mL, 0.1 µm filtered, BioReagent, suitable for cell culture

[View Pricing](#)**P4417**

Phosphate buffered saline, tablet

[View Pricing](#)**P5726**

Phosphatase Inhibitor Cocktail 2, aqueous solution (dark coloration may develop upon storage, which does not affect the activity)

[View Pricing](#)**E1270**

ECM Gel from Engelbreth-Holm-Swarm murine sarcoma, liquid, BioReagent, suitable for cell culture

[View Pricing](#)**D5671**

Dulbecco's Modified Eagle's Medium - high glucose, With 4500 mg/L glucose and sodium bicarbonate, without L-glutamine and sodium pyruvate, liquid, sterile-filtered, suitable for cell culture, suitable for hybridoma

[View Pricing](#)**T3924**

Trypsin-EDTA solution, 1 ×, sterile; sterile-filtered, BioReagent, suitable for cell culture, 0.5 g porcine trypsin and 0.2 g EDTA, 4Na per liter of Hanks' Balanced Salt Solution with phenol red

[View Pricing](#)**D6429**

Dulbecco's Modified Eagle's Medium - high glucose, With 4500 mg/L glucose, L-glutamine, sodium pyruvate, and sodium bicarbonate, liquid, sterile-filtered, suitable for cell culture

[View Pricing](#)

R0901

RNA^{later}®, Stabilize and protect RNA with immediate RNase inactivation

[View Pricing](#)

02851

Ethanol, for residue analysis

[View Pricing](#)

71736

Sodium dodecyl sulfate solution, BioUltra, for molecular biology, 10% in H₂O

[View Pricing](#)

252549

Formaldehyde solution, ACS reagent, 37 wt. % in H₂O, contains 10-15% Methanol as stabilizer (to prevent polymerization)

[View Pricing](#)

R0278

RIPA Buffer

[View Pricing](#)

51976

Ethanol, BioUltra, for molecular biology, ≥99.8%, (absolute alcohol, without additive, A15 o¹)

[View Pricing](#)**11836170001**

cOmplete™, Mini, EDTA-free Protease Inhibitor Cocktail, Protease Inhibitor Cocktail Tablets provided in a glass vial, Tablets provided in a glass vial

[View Pricing](#)**700000P**

Cholesterol (ovine), cholesterol (ovine wool, 98%), powder

[View Pricing](#)**700001P**

DC-Cholesterol HCl, Avanti Polar Lipids 700001P, powder

[View Pricing](#)**840035P**

18:1 PS (DOPS), Avanti Polar Lipids

[View Pricing](#)**840475P**

18:1 (Δ⁹-Cis) PG, 1,2-dioleoyl-*sn*-glycero-3-phospho-(1'-*rac*-glycerol) (sodium salt), powder

[View Pricing](#)

840875P

18:1 PA, 1,2-dioleoyl-*sn*-glycero-3-phosphate (sodium salt), powder

[View Pricing](#)**850345P**

14:0 PC (DMPC), 1,2-dimyristoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)**850355P**

16:0 PC (DPPC), 1,2-dipalmitoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)**850365P**

18:0 PC (DSPC), 1,2-distearoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)**850375P**

18:1 (Δ^9 -Cis) PC (DOPC), 1,2-dioleoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)**850457C**

16:0-18:1 PC, 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phosphocholine, chloroform

[View Pricing](#)

850457P

16:0-18:1 PC, 1-palmitoyl-2-oleoyl-*sn*-glycero-3-phosphocholine, powder

[View Pricing](#)**850725P**

18:1 (Δ^9 -Cis) PE (DOPE), 1,2-dioleoyl-*sn*-glycero-3-phosphoethanolamine, powder

[View Pricing](#)**840051P**

Egg PC, L- α -phosphatidylcholine (Egg, Chicken), powder

[View Pricing](#)**880120P**

18:0 PEG2000 PE, Avanti Polar Lipids 880120P, powder

[View Pricing](#)**880130P**

18:1 PEG2000 PE, Avanti Polar Lipids 880130P, powder

[View Pricing](#)**880520P**

18:0 PEG550 PE, Avanti Polar Lipids 880520P, powder

[View Pricing](#)

610014

Filter Support, Avanti Polar Lipids 610014

[View Pricing](#)

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

13 - Non Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

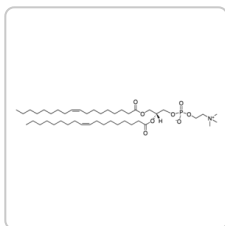
Rechercher

Certificat d'origine

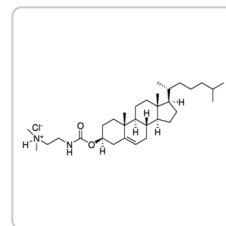
Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)**Rechercher****Plus De Documents**[Structure Search](#)[FDS](#)**LES CLIENTS ONT ÉGALEMENT CONSULTÉ**

Avanti

850375P**18:1 (Δ^9 -Cis) PC (DOPC)**1,2-dioleoyl-*sn*-glycero-3-phosphocholine, powder[Consulter le prix et la disponibilité](#)

Avanti

700001P**DC-Cholesterol HCl**

Avanti Polar Lipids 700001P, powder

[Consulter le prix et la disponibilité](#)**ARTICLES REVUS PAR DES PAIRS****Cationic liposomes induce cytotoxicity in HepG2 via regulation of lipid metabolism based on whole-transcriptome sequencing analysis**

Li Y, et al.*BMC Pharmacology & Toxicology, 19(1), 43-43 (2018)*

DOTAP (and other cationic lipids): chemistry, biophysics, and transfection**Simberg D, et al.***Critical Reviews in Therapeutic Drug Carrier Systems, 21(4) (2004)*

Analysis of cationic liposomes by reversed-phase HPLC with evaporative light-scattering detection**Zhong Z, et al.***Journal of Pharmaceutical and Biomedical Analysis, 51(4), 947-951 (2010)*

Efficient siRNA delivery by the cationic liposome DOTAP in human hematopoietic stem cells differentiating into dendritic cells**Martino S, et al.***BioMed Research International, 2009 (2009)*

Personalized Tumor RNA Loaded Lipid-Nanoparticles Prime the Systemic and Intratumoral Milieu for Response to Cancer Immunotherapy.**Elias J Sayour et al.***Nano letters, 18(10), 6195-6206 (2018-09-28)*

Translation of nanoparticles (NPs) into human clinical trials for patients with refractory cancers has lagged due to unknown biologic reactivities of novel NP designs. To overcome these limitations, simple well-characterized mRNA lipid-NPs have been developed as cancer immunotherapeutic vaccines. While

[Afficher tous les articles scientifiques apparentés](#)

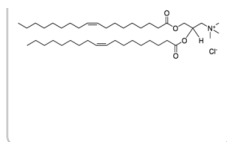
PRODUITS CONSULTÉS RÉCEMMENT

Avanti

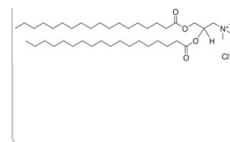
890890C

Avanti

890880P

**18:1 TAP (DOTAP)**

Avanti Polar Lipids 890890C

[Consulter le prix et la disponibilité](#)**18:0 TAP**

Avanti Polar Lipids 890880P, powder

[Consulter le prix et la disponibilité](#)

SERVICE TECHNIQUE

Notre équipe de scientifiques dispose d'une expérience dans tous les secteurs de la recherche, notamment en sciences de la vie, science des matériaux, synthèse chimique, chromatographie, analyse et dans de nombreux autres domaines..

[Contacter notre Service technique](#)

Le contenu de cette page vous a-t-il été utile ?*



Que pouvons-nous faire pour améliorer cette page spécifique de notre site Internet ?

[Envoyer](#)

© 2022 Merck KGaA, Darmstadt, Allemagne et/ou ses sociétés affiliées. Tous droits réservés.

La reproduction d'une quelconque partie du contenu de ce site est strictement interdite sans autorisation.

[Conditions d'utilisation du site](#) | [Politique de confidentialité](#) | [Conditions générales de vente](#) | [Consentement relatif au copyright](#) | [Paramètres des cookies](#)