

Dimethyldioctadecylammonium (bromide) Biochemical

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CATALOG #
AAA227144

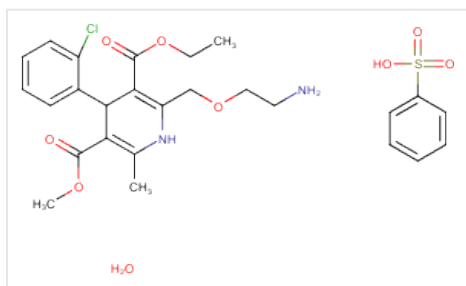
PRODUCT SYNONYMS

Dimethyldioctadecylammonium (bromide); Dimethyldioctadecylammonium (bromide) biochemical

PRODUCT SPECIFICATIONS

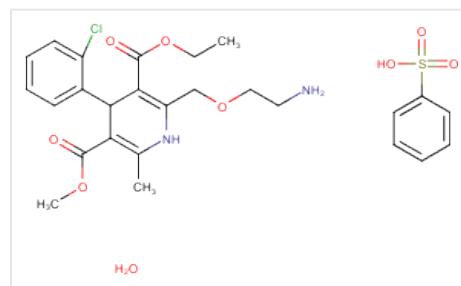
Purity/Purification	98%
SMILES	[Br-].CCCCCCCCCCCCCCCC[N+](CC)CCCCCCCCCCCCCCCC
Formula	C38H80BrN
CAS	3700-67-2
Solubility	Ethanol: 33mg/mL DMF: 2 mg/mL DMSO: 16 mg/mL PBS (pH 7.2): 5 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

Amlodipine besylate monohydrate, CAS 532929-67-2



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Amlodipine besylate monohydrate, CAS 532929-67-2

ADDITIONAL INFORMATION

Related Product Information for Dimethyldioctadecylammonium (bromide) biochemical

Dimethyldioctadecylammonium (DDA) is a cationic amphipathic lipid. DDA liposomes containing an Ag85B-ESAT-6 antigen induce antigen deposition at an intramuscular or subcutaneous injection site in mice, increasing immune cell exposure to the antigen. In a guinea pig model of *M. tuberculosis* infection, spleen bacterial load is reduced and lung and spleen lesion numbers are decreased when the mycobacterial lipid antigens Ac2SGL and PIM2 are administered in liposomes comprised of DDA and a synthetic analog of the mycobacterial cord factor trehalose 6,6-dibehenate (TDB). DDA has also been used in the study of lipid bilayer dynamics.

References

1. Gottwald-Hostalek U, Sun N, Barho C, Hildemann S. Management of Hypertension With a Fixed-Dose (Single-Pill) Combination of Bisoprolol and Amlodipine. Clin Pharmacol Drug Dev. 2017 Jan;6(1):9-18. doi: 10.1002/cpdd.309. Epub 2016 Oct 26. PubMed PMID: 27653022.
2. van Zwieten PA. Amlodipine: an overview of its pharmacodynamic and pharmacokinetic properties. Clin Cardiol. 1994 Sep;17(9 Suppl 3):III3-6. Review. PubMed PMID: 9156957.

NCBI AND UNIPROT INFORMATION

Molecular Weight

585.07

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/dimethyldioctadecylammonium-bromide/227144>