

Stearoyl-L-carnitine chloride Biochemical

Stearoyl-L-carnitine chloride

CATALOG #
AAA227330

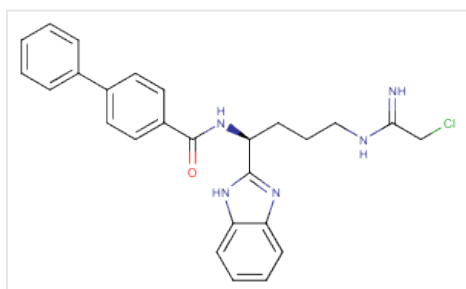
PRODUCT SYNONYMS

Stearoyl-L-carnitine chloride; Stearoyl-L-carnitine chloride biochemical

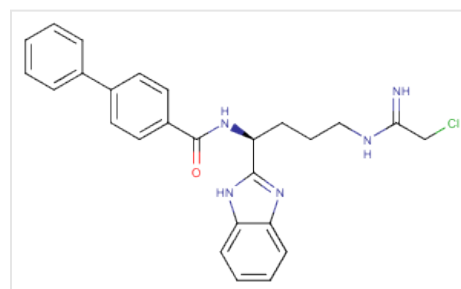
PRODUCT SPECIFICATIONS

Purity/Purification	98%
SMILES	[Cl-].CCCCCCCCCCCCCCCCC(=O)O[C@H](CC(O)=O)C[N+](CC)C
Formula	C25H50ClNO4
CAS	32350-57-5
Solubility	DMF: 20 mg/mL Ethanol: 20 mg/mL DMSO: 14 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
BB-Cl-Amidine, CAS 1802637-39-3



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ADDITIONAL INFORMATION

Related Product Information for Stearoyl-L-carnitine chloride biochemical	Stearoyl-L-carnitine is a naturally occurring long-chain acylcarnitine [1]. It inhibits sodium-dependent [3H]carnitine uptake in human proximal convoluted tubular (HPCT) cells by 52% when used at a concentration of 500 uM [2] It also inhibits lecithin:cholesterol acyltransferase activity in rat, but not human, plasma when used at a concentration of 500 uM/ml of plasma. [3] Plasma levels of stearoyl-L-carnitine are decreased in patients with chronic fatigue syndrome and increased in patients with end-stage renal disease.[1][4]
Product Categories/Family for Stearoyl-L-carnitine chloride biochemical	Chromatin/Epigenetic
References	1. Knight JS, et al. Peptidylarginine deiminase inhibition disrupts NET formation and protects against kidney, skin and vascular disease in lupus-prone MRL/lpr mice. Ann Rheum Dis. 2015 Dec;74(12):2199-206.

NCBI AND UNIPROT INFORMATION

Molecular Weight	459.98
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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/stearoyl-l-carnitine-chloride/227330>