

L-Palmitoylcarnitine chloride Biochemical

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CATALOG #
AAA227278

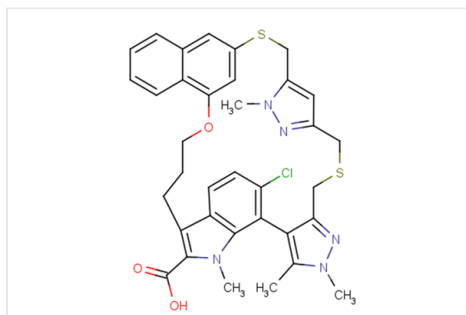
PRODUCT SYNONYMS

L-Palmitoylcarnitine chloride; AZD-5991 S-enantiomer; L-Palmitoylcarnitine chloride biochemical

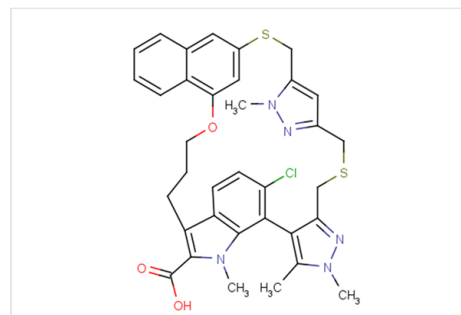
PRODUCT SPECIFICATIONS

Purity/Purification	98%
SMILES	[Cl-].CCCCCCCCCCCCCCCC(=O)O[C@H](CC(O)=O)C[N+](CC)C
Formula	C23H46ClNO4
CAS	18877-64-0
Solubility	H2O: Slightly soluble, heated,sonicated <1mg/ml refers to the product slightly soluble or insoluble
In vitro	In vivo, palmitoyl-L-carnitine increases intestinal absorption of the antibiotic cefoxitin in rat intestine.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
AZD-5991 (S-enantiomer), CAS 2143061-82-7



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ADDITIONAL INFORMATION

Related Product Information for L-Palmitoylcarnitine chloride biochemical	Palmitoyl-L-carnitine is a naturally occurring long-chain acylcarnitine and the L-enantiomer of palmitoyl-DL-carnitine. In cells, palmitoyl-L-carnitine is transported into mitochondria via carnitine palmitoyl transferase II to deliver palmitate for fatty acid oxidation and energy production. It also inhibits lecithin:cholesterol acyltransferase activity in rat, but not human, plasma when used at a concentration of 500 uM.
Product Categories/Family for L-Palmitoylcarnitine chloride biochemical	Apoptosis
References	1. Tron AE, et al. Discovery of Mcl-1-specific inhibitor AZD5991 and preclinical activity in multiple myeloma and acute myeloid leukemia. Nat Commun. 2018 Dec 17;9(1):5341.

NCBI AND UNIPROT INFORMATION

Molecular Weight	672.26
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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://stage.aaabiotech.com/biochemical/l-palmitoylcarnitine-chloride/227278>