

Arachidonoyl-L-carnitine (chloride) Biochemical

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CATALOG #
AAA227295

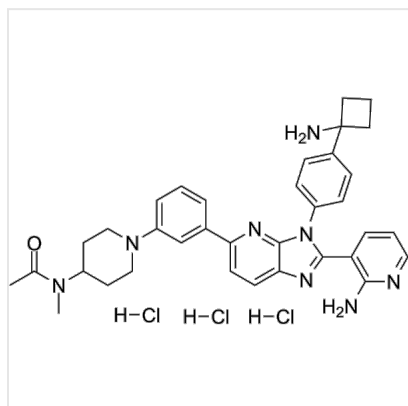
PRODUCT SYNONYMS

Arachidonoyl-L-carnitine (chloride); ARQ 751 trihydrochloride; Arachidonoyl-L-carnitine (chloride) biochemical

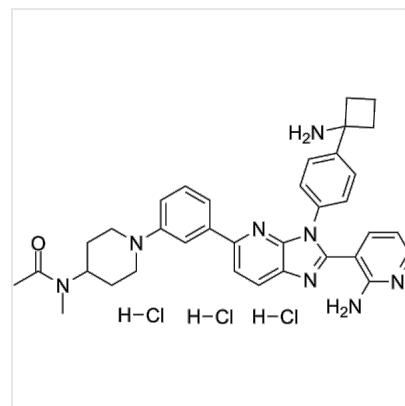
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	PBS (pH 7.2): 10 mg/mL
	Ethanol: 30 mg/mL
	DMSO: 10 mg/mL
	DMF: 20 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

Vevorisetib trihydrochloride, CAS 1416775-08-0


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ADDITIONAL INFORMATION

Related Product Information for Arachidonoyl-L-carnitine (chloride) biochemical

Carnitine facilitates the transport of fatty acids into the mitochondria to be used in fatty acid metabolism. It does so by accepting acyl groups from fatty acids complexed with coenzyme A, which yields esterified carnitine or acylcarnitines that enable the transport of fatty acyl groups into the inner mitochondrial matrix. beta-Oxidation of fatty acids in mitochondria is inhibited by uncoupling conditions, thus changes in circulating levels of various acylcarnitines have been used to identify alterations in metabolic state.[1] [2] Arachidonoyl-L-carnitine formed from carnitine conjugated to arachidonic acid.

References

1. Yu Y, et al. Targeting AKT1-E17K and the PI3K/AKT Pathway with an Allosteric AKT Inhibitor, ARQ 092. PLoS One. 2015 Oct 15;10(10):e0140479.
2. Kozinova M, et al. Combined Inhibition of AKT and KIT Restores Expression of Programmed Cell Death 4 (PDCD4) in Gastrointestinal Stromal Tumor. Cancers (Basel). 2021 Jul 23;13(15):3699.

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/arachidonoyl-L-carnitine-chloride/227295>