PRODUCT: Arecoline Hydrobromide

ALTERNATE NAME: 1,2,5,6-tetrahydro-1-methyl-3-pyridinecarboxylic acid, methyl ester, hydrobromide

CATALOG NUMBER: B1824-100, 500

AMOUNT: 100 mg, 500 mg

STRUCTURE:

MOLECULAR FORMULA: C₉H₁₃NO₂ • HBr

MOLECULAR WEIGHT: 236.11

CAS NUMBER: 300-08-3

APPEARANCE: White solid

SOLUBILITY: H₂O (>50 mg/ml)

PURITY: ≥98% by TLC

STORAGE: Store at -20 °C. Protect from air and moisture

DESCRIPTION: Arecoline is a covalent inhibitor of ACAT1 which binds to and disrupts only ACAT1 tetramers (IC₅₀ = 11.1 μM). ACAT2 and DLAT are not inhibited. Treatment of xenograft nude mice with Arecoline resulted in a dose-dependent reduction in tumor mass. Agonist at muscarinic acetylcholine receptors M1 – M5 (EC₅₀ in the range of 7-410 nM). May be effective in dementia.


HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

USAGE: FOR RESEARCH USE ONLY! Not to be used in humans

RELATED PRODUCTS:
- Arecoline Hydrobromide (B1824)
- Avasimibe (9506)
- Naringenin (1772)
- Pellitorine (2503)
- Penicillide (B1245)
- Terpendole C (2214)
- TMP-153 (B1181)