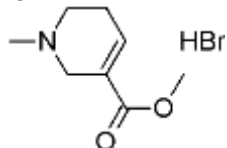


**PRODUCT: Arecoline Hydrobromide****ALTERNATE NAME:** 1,2,5,6-tetrahydro-1-methyl-3-pyridinecarboxylic acid, methyl ester, hydrobromide**CATALOG NUMBER:** B1824-100, 500**AMOUNT:** 100 mg, 500 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>8</sub>H<sub>13</sub>NO<sub>2</sub> • HBr**MOLECULAR WEIGHT:** 236.11**CAS NUMBER:** 300-08-3**APPEARANCE:** White solid**SOLUBILITY:** H<sub>2</sub>O (>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 (IC<sub>50</sub> = 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 (EC<sub>50</sub> in the range of 7-410 nM). May be effective in dementia.**REFERENCES:** Heinrich, J.N., *et al.* (2009). *Eur. J. Pharmacol.* **605**, 53-56.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Arecoline Hydrobromide (**B1824**)Avasimibe (**9506**)Naringenin (**1772**)Pellitorine (**2503**)Penicillide (**B1245**)Terpendole C (**2214**)TMP-153 (**B1181**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**