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Product Datasheet

Arecoline HBr, CAS [[300-08-3]]
FBM-10-1016

Artikelname	Arecoline HBr, CAS [[300-08-3]]
Artikelnummer	FBM-10-1016
Hersteller Artikelnummer	10-1016
Alternativnummer	FBM-10-1016-250MG,FBM-10-1016-1G
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	ACAT1 inhibitor...
Molekulargewicht	236.11
Reinheit	98% by TLC, NMR (Conforms)
Formulierung	White solid
CAS Nummer	[300-08-3]
Formel	C8H13NO2 HBr
Anwendungsbeschreibung	Tyrosine407 phosphorylation activates mitochondrial acetyl-CoA acetyltransferase 1 (ACAT1) by stabilizing its tetramer. This is believed to be the mechanisms by which ACAT1 is "hijacked and contributes to the Warburg effect in cancer. 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.¹ Agonist at muscarinic acetylcholine receptors M1 - M5 (EC50 in the range of 7-410 nM).² May be effective in dementia.³