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## Product Datasheet

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

Article Name	Arecoline HBr, CAS [[300-08-3]]
Biozol Catalog Number	FBM-10-1016
Supplier Catalog Number	10-1016
Alternative Catalog Number	FBM-10-1016-250MG, FBM-10-1016-1G
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ACAT1 inhibitor...
Molecular Weight	236.11
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[300-08-3]
Formula	C8H13NO2 HBr
Application Notes	<p>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.<sup>1</sup> Agonist at muscarinic acetylcholine receptors M1 - M5 (EC50 in the range of 7-410 nM).<sup>2</sup> May be effective in dementia.<sup>3</sup></p>