

3-(Aminocarbonyl)-1-(2,3,5-tri-O-acetyl-beta-D-ribofuranosyl)-pyridinium Triflate

Art. ID	TRC-A794877-1G
Unit	1 g
Deliverydetails	ADR Excepted Quantity (EQ) / AIR Excepted Quantity (EQ)

Description

Application Note: 3-(Aminocarbonyl)-1-(2,3,5-tri-O-acetyl-beta-D-ribofuranosyl)-pyridinium Triflate is an intermediate in synthesizing beta-Nicotinamide Mononucleotide (N407765), a product of the extracellular Nicotinamide phosphoribosyltransferase (eNAMPT) reaction and a key NAD⁺ intermediate. It ameliorates glucose intolerance by restoring NAD⁺ levels in HFD-induced T2D mice. It also enhances hepatic insulin sensitivity and restores gene expression related to oxidative stress, inflammatory response, and circadian rhythm, partly through SIRT1 activation.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	3-(Aminocarbonyl)-1-(2, 3,5-tri-O-acetyl-beta-D -ribofuranosyl)-pyridin ium Triflate	[774599-53-0]				