Creative Enzymes®

KAPA (hydrochloride)

Cat. No. CSUB-0828

Lot. No. (See product label)

Introduction

Description	An intermediate in the synthesis of biotin. Pimeloyl-CoA is transformed into AOP in the presence of L-alanine by the enzyme AOP synthase. The catalytic mechanism of AOP synthase has been studied for the elucidation of inhibitors as potential antimicrobial agents.
Applications	An intermediate in biotin biosynthesis
Synonyms	7-keto-8-Aminopelargomic Acid; 8-AMINO-7-OXO-NONANOIC ACID HCL; 8-AMINO-7-OXOPELARGONIC ACID, HYDROCHLORIDE; (7-Azabenzotriazol-1-yl)-N-oxy-tris(dimethyamino)phosphonium hexafluorosphate; 8-Amino-7-oxononanoic acid hydrochloride; (8S)-8-AMino-7-oxo-nonanoic Acid Hydrochloride; AOP

Product Information

Form	Solid
CAS No.	177408-65-0
Molecular Formula	C9H17NO3•HCl
Molecular Weight	223.7
Melting Point	134-136° C
Substrates	PKA
Refractive Index	1.63

Storage and Shipping Information

Storage	Store at -20° C