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