

## 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(dimethylamino)phosphonium hexafluorophosphate; 8-Amino-7-oxononanoic acid hydrochloride; (8S)-8-AMino-7-oxo-nonanoic Acid Hydrochloride; AOP

### Product Information

<b>Form</b>	Solid
<b>CAS No.</b>	177408-65-0
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>17</sub> NO <sub>3</sub> •HCl
<b>Molecular Weight</b>	223.7
<b>Melting Point</b>	134-136° C
<b>Substrates</b>	PKA
<b>Refractive Index</b>	1.63

### Storage and Shipping Information

**Storage** Store at -20° C