

# Chem-Impex International, Inc.

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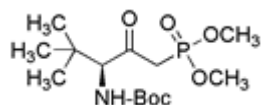
Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications



Catalogue Number	08019
Product	<b>Dimethyl((3S)-4,4-dimethyl-3-(Boc-amino)-2-oxopentyl)phosphonate</b>
CAS Number	176504-89-5
Molecular Formula	C <sub>14</sub> H <sub>28</sub> NO <sub>6</sub> P
Molecular Weight	337.35

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Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in Ethylacetate)
Elemental Analysis (Theory)	C = 49.85%; H = 8.37%; N = 4.15%
Elemental Analysis (Found)	C = 49.60 ± 0.5%; H = 8.01 ± 0.5%; N = 4.09 ± 0.5%
TLC System	Chloroform/Methanol (9:1) Chloroform/Methanol/Acetic acid (90:8:2) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] <sub>D</sub> <sup>22</sup> = +20 ± 2° (C=1% in Chloroform)
Analysis by Mass Spectra	[M+H] <sup>+</sup> : m/z = 338 ± 1
<sup>1</sup> H NMR	Conforms to structure
Purity by TLC	≥ 97%
Storage	Store at 0-8 °C

**For Laboratory Use Only**