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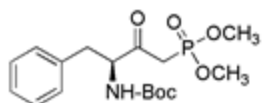
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number	08020
Product	Dimethyl((3S)-4-phenyl-3-(Boc-amino)-2-oxobutyl)phosphonate
CAS Number	176504-90-8
Molecular Formula	C ₁₇ H ₂₆ NO ₆ P
Molecular Weight	371.37

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in Ethylacetate)
Melting Point	72-80 °C
Elemental Analysis (Theory)	C = 55.0%; H = 7.1%; N = 3.8%
Elemental Analysis (Found)	C = 55.0 ± 0.5%; H = 6.8 ± 0.5%; N = 3.7 ± 0.5%
TLC System	Chloroform/Methanol/Acetic acid (90:8:2) Chloroform/Methanol/Toluene/H ₂ O (8:8:8:1) Chloroform/Methanol/Acetic acid/H ₂ O (85:13:0.5:1.5) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = -10 ± 2° (C=1.8% in Chloroform)
Assay	≥ 99% (Elemental analysis)
Purity by TLC	≥ 99%
Storage	Store at ≤ -4 °C

For Laboratory Use Only