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Certificate of Analysis

Catalogue Number	08020
Product	Dimethyl((3S)-4-phenyl-3-(Boc-amino)-2-oxobutyl)phosphonate
Lot Number	000127-1029153
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 (50mg/mL in Ethylacetate)
Melting Point	78 °C
Elemental Analysis (Theory)	C = 55.0%; H = 7.1%; N = 3.8%
Elemental Analysis (Found)	C = 55.0%; H = 6.8%; N = 3.7%
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 .1° (C=1.8% in Chloroform)
Assay	100.0% (Elemental Analysis: Cth 54.98%, Cfd 54.96%)
Purity by TLC	> 99%
Storage	Store at ≤-4°C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager