

Product Name: (+/-)-Boc-alpha-phosphonoglycine trimethyl ester, 95%
Catalog Number: B25421.06

CAS Number: 89524-98-1
IUPAC Name: methyl (2S)-2-[[tert-butoxy)carbonyl]amino]-2-(dimethoxyphosphoryl)acetate
Molecular Formula: C₁₀H₂₀NO₇P
Molecular Weight: 297.24
InChI Key: LJHAPRKTPAREGO-ZETCQYMHSA-N
SMILES: COC(=O)[C@@H](NC(=O)OC(C)(C)C)P(=O)(OC)OC
Synonym: methyl (2S)-2-[(tert-butoxycarbonyl)amino]-2-(dimethoxyphosphoryl)acetate

Product Specification

Appearance (Color): White to cream or pale yellow
Form: Powder
Assay (GC): ≥94.0%
Elemental Analysis: C: 40.11 - 40.71% (Theory 40.41%)
Elemental Analysis: H: 6.48 - 7.08% (Theory 6.78%)
Elemental Analysis: N: 4.41 - 5.01% (Theory 4.71%)
Elemental Analysis: P: 9.90 - 10.72% (Theory 10.42%)

Date Of Print: 07/01/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.