

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

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**CAS Number:** 89524-98-1  
**IUPAC Name:** methyl (2S)-2-[[tert-butoxy)carbonyl]amino]-2-(dimethoxyphosphoryl)acetate  
**Molecular Formula:** C<sub>10</sub>H<sub>20</sub>NO<sub>7</sub>P  
**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%)

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**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.*