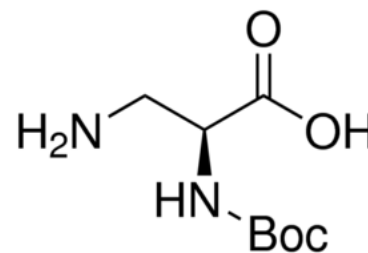


## Boc-Dap-OH

**Synonym:** (S)-2-[(tert-Butoxycarbonyl)amino]-3-aminopropionic acid, (S)-3-Amino-2-(tert-butoxycarbonyl)aminopropionic acid, (S)-3-Amino-2-(tert-butoxycarbonylamino)propanoic acid, 3-Amino-(tert-butoxycarbonyl)-L-alanine, N $\alpha$ -BOC-(S)- $\beta$ -aminoalanine, N $\alpha$ -Boc-L- $\beta$ -aminoalanine, N2-(tert-Butoxycarbonyl)-(S)-2,3-diaminopropionic acid, N2-tert-Butoxycarbonyl-L-2,3-diaminopropionic acid, N $\alpha$ -Boc-L-2,3-diaminopropionic acid, Boc-Dpr-OH



**Catalog Number:** UD-0352

**Product Size:** 1 g; 5 g

**Price:** [Online Inquiry](#)

| CAS Number | MDL Number   | Molecular Formula                                            | Molecular Weight |
|------------|--------------|--------------------------------------------------------------|------------------|
| 73259-81-1 | MFCD00236843 | C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub> | 204.22           |

| Product Information |                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Optical Activity    | [ $\alpha$ ] <sub>20/D</sub> +5.5 $\pm$ 1°, c = 1% in methanol: water (1:1)                                                                                                                                                                                                                                                                                       |
| Applications        | Used as a reactant for protein assembly directed by synthetic molecular recognition motifs, solid phase synthesis of gramicidin S cyclic analogs with antibiotic and hemolytic activities, synthesis of HCV protease inhibitor modified analogs, solid phase synthesis of peptidic V1a receptor agonists, and directed peptide assembly at lipid-water interface. |

| Properties    |                                                                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity        | $\geq$ 98.0% (TLC)                                                                                                                              |
| Impurities    | ~3% water                                                                                                                                       |
| SMILES String | CC(C)(C)OC(=O)N[C@@H](CN)C(O)=O                                                                                                                 |
| InChI         | 1S/C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub> /c1-8(2,3)14-7(13)10-5(4-9)6(11)12/h5H,4,9H2,1-3H3,(H,10,13)(H,11,12)/t5-/m0/s1 |
| InChI Key     | KRJLRVZLNABMAT-YFKPBYRVSA-N                                                                                                                     |
| Melting Point | 210 °C (dec.)                                                                                                                                   |