

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

| | |
|--------------------------|---|
| Catalogue Number | 50804 |
| Product | <i>O</i>-tert-Butyl-D-serine benzyl ester hydrochloride H-D-Ser(tBu)-OBzl · HCl |
| CAS Number | 1998701-25-9 |
| Molecular Formula | C ₁₄ H ₂₁ NO ₃ ·HCl |
| Molecular Weight | 287.78 |

| | |
|------------------------------------|---|
| Appearance | White to off-white powder |
| Solubility | Clear solution (0.3 g in 2 mL DMF) |
| Melting Point | 115 - 135 °C |
| Elemental Analysis (Theory) | ≤ 5.0% (C, H, N) |
| Water Content (Karl Fisher) | ≤ 2.0% |
| Optical Rotation | [α] _D ²⁰ = +29 ± 3 ° (C=1 in DMF) |
| Infrared Spectrum | Conforms to structure |
| Analysis by Mass Spectra | Conforms to standard |
| Loss on Drying | ≤ 2.0% (60 °C, 2h) |
| ¹H NMR | Conforms to structure |
| Purity by HPLC | ≥ 98% |
| Storage | Store at 0 - 8 °C |

For Laboratory Use Only