

# Chem-Impex International, Inc.

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## Product Specifications

**Catalogue Number** 06672  
**Product** **Z-L-Tyrosine *tert*-butyl ester hydrate**

Z-L-Tyr-OtBu•H<sub>2</sub>O

**CAS Number** 16881-33-7  
**Molecular Formula** C<sub>21</sub>H<sub>25</sub>NO<sub>5</sub>•H<sub>2</sub>O

**Molecular Weight** 389.44

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**Appearance** White powder  
**Solubility** Clear solution (0.3g in 2mL DMF)  
**Melting Point** 75-89 °C  
**Water Content (Karl Fisher)** ≤ 5.0%  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = -20 ± 2 ° (C=1 in DMF)  
**Infrared Spectrum** Conforms to structure  
**Analysis by Mass Spectra** Conforms to standard  
**Loss on Drying** ≤ 1% (35 °C, 2h)  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** ≥ 99%  
**Storage** Store at 0-8°C

**For Laboratory Use Only**