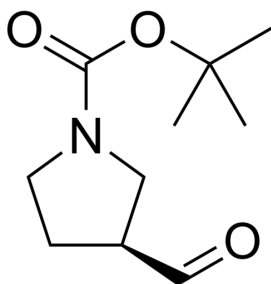


## Certificate of Analysis

**Product Name:** (S)-tert-Butyl 3-formylpyrrolidine-1-carboxylate  
**Cat. No.:** CS-0079694  
**CAS No.:** 191348-04-6  
**Batch No.:** L430734  
**Chemical Name:** 1-Pyrrolidinecarboxylic acid, 3-formyl-, 1,1-dimethylethyl ester, (3S)-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>10</sub>H<sub>17</sub>NO<sub>3</sub>  
**Molecular Weight:** 199.25  
**Storage:** -20°C, stored under nitrogen  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Colorless to light yellow (Liquid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (GC):** 99.32%  
**Optical Rotation[a]:** 21.6° (C=0.01g/ml DCM)  
**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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