

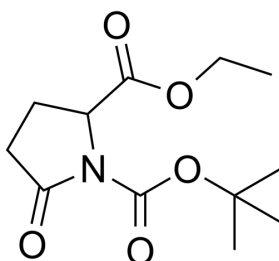
## 1-Boc-DL-Pyrroglutamic acid ethyl ester

Cat. No.: HY-W003605A  
CAS No.: 251924-83-1  
Batch No.: 451849  
Chemical Name: 1,2-Pyrrolidinedicarboxylic acid, 5-oxo-, 1-(1,1-dimethylethyl) 2-ethyl ester

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>12</sub>H<sub>19</sub>NO<sub>5</sub>  
Molecular Weight: 257.28  
Storage: Pure form      -20°C    3 years  
                                  4°C      2 years  
                                  In solvent    -80°C    6 months  
  -20°C    1 month

Chemical Structure:



### ANALYTICAL DATA

Appearance: Light yellow to yellow (Viscous Liquid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
Purity (NMR): ≥97.0%  
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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