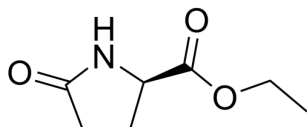


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	D-Pyroglutamic acid ethyl ester
<b>Cat. No.:</b>	1051707
<b>CAS No.:</b>	68766-96-1
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>11</sub> NO <sub>3</sub>
<b>Molecular Weight:</b>	157.17
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lf1110181246
<b>Storage:</b>	Store at room temperature
<b>Test Date:</b>	2024-02-23
<b>Retest Date:</b>	2029-02-22
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	White to off-white (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥97.0%
<b>Water(KF):</b>	0.92%
<b>Optical Rotation[α]:</b>	-5.433° (C=1 g/100ml ETOH)
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

**Caution: Research use only and are not intended for human use.**

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