

Certificate of Analysis

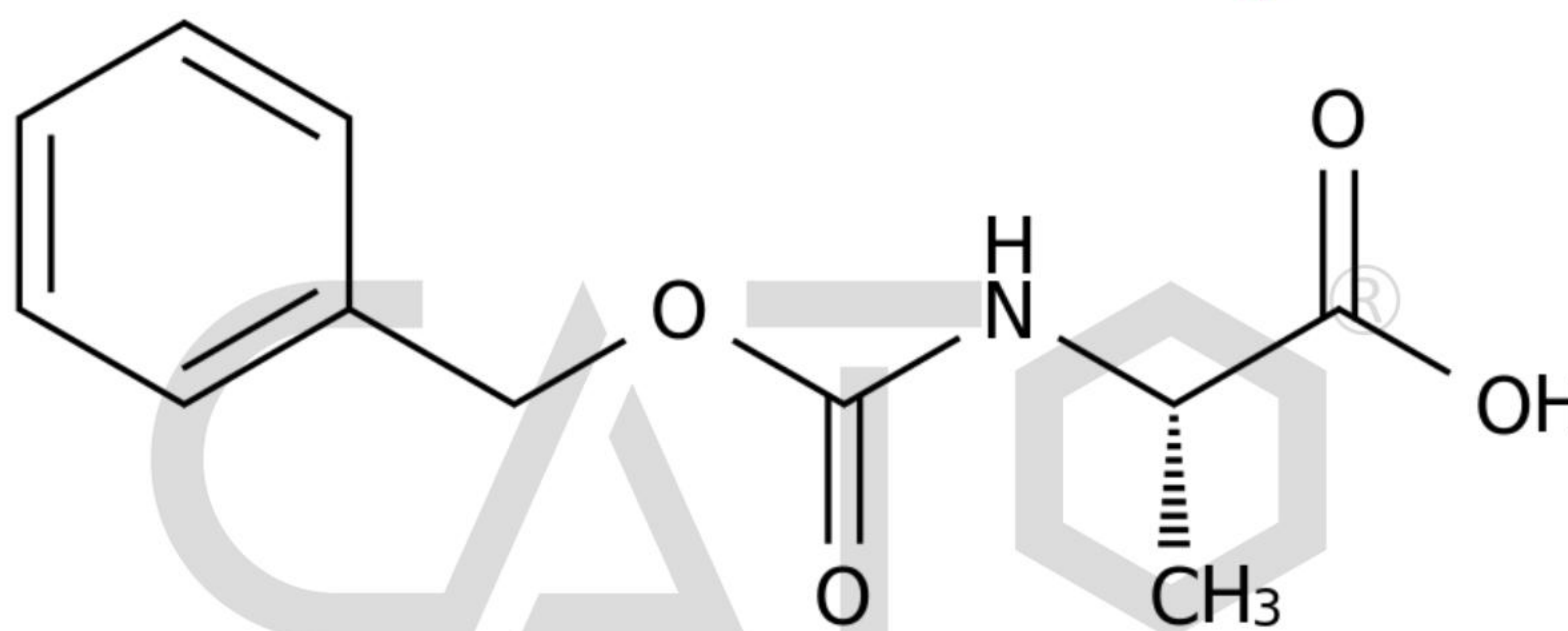
Reference Material & Standard

Product Name:	Z-Ala-OH	Catalogue Number:	CPTD783319
Synonyms:	N/A	Lot Number:	0318-RF-0050
CAS Number:	1142-20-7	Expiry Date:	May 10, 2030
Molecular Formula:	C ₁₁ H ₁₃ NO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	223.22	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	99.940%
Loss on Drying	TGA	0.0438%
Assay		99.9%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

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Reviewed by:

Lisa

Approved by General Manager:

David

Date: May 11, 2026

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Page 1 of 8



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