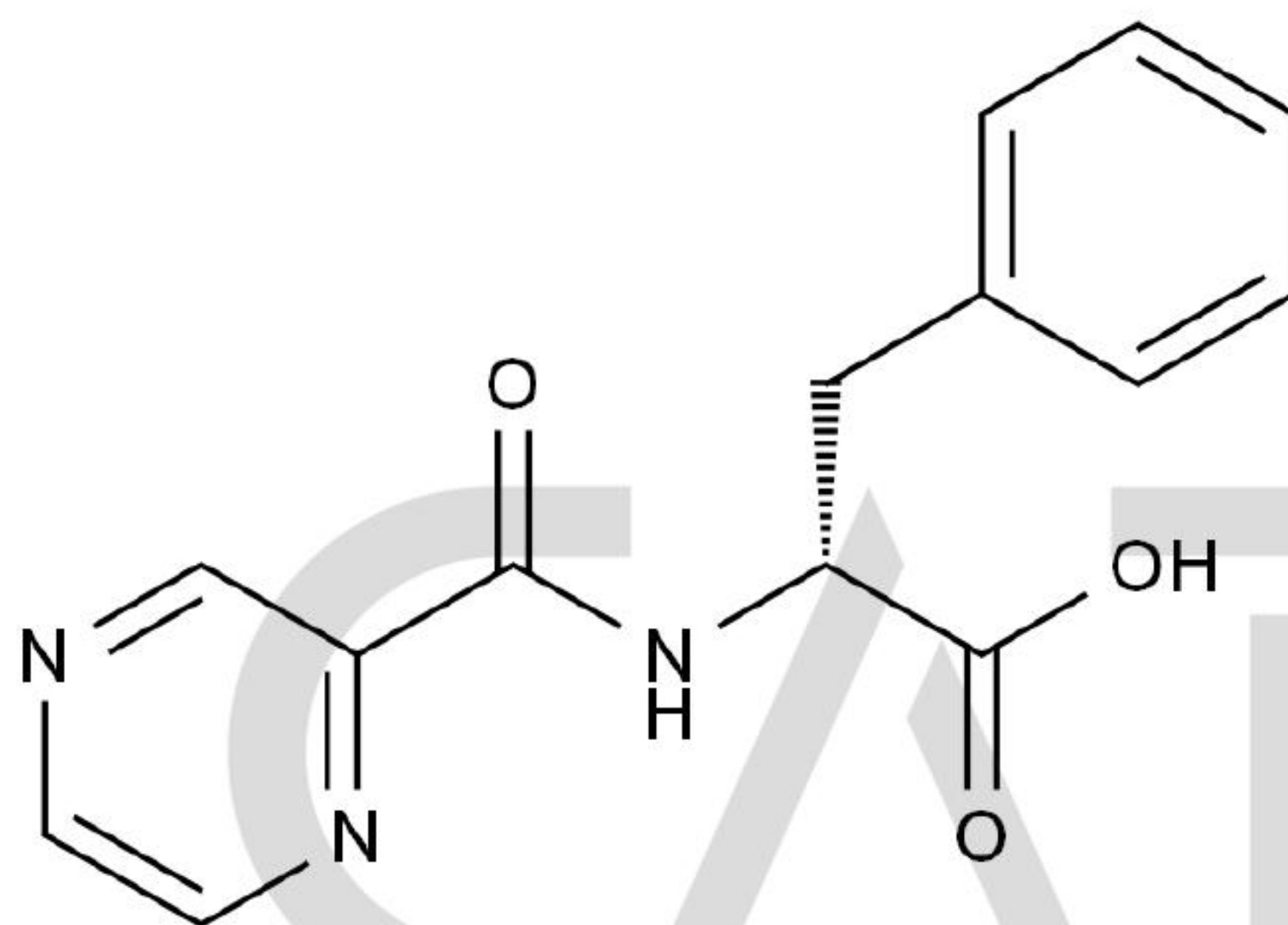


Certificate of Analysis

Reference Material & Standard

Product Name:	Bortezomib Impurity 31	Catalogue Number:	C4X-107231
Synonyms:	N/A	Lot Number:	1019-RH-0092
CAS Number:	1608986-16-8	Expiry Date:	Oct 13, 2030
Molecular Formula:	C ₁₄ H ₁₃ N ₃ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	271.27	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	0.26%
Residual Solvents	NMR	Not detected in NMR
Assay	Mass Balance	99.7%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Oct 20, 2026

Date: Oct 20, 2026

Date: Oct 20, 2026



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