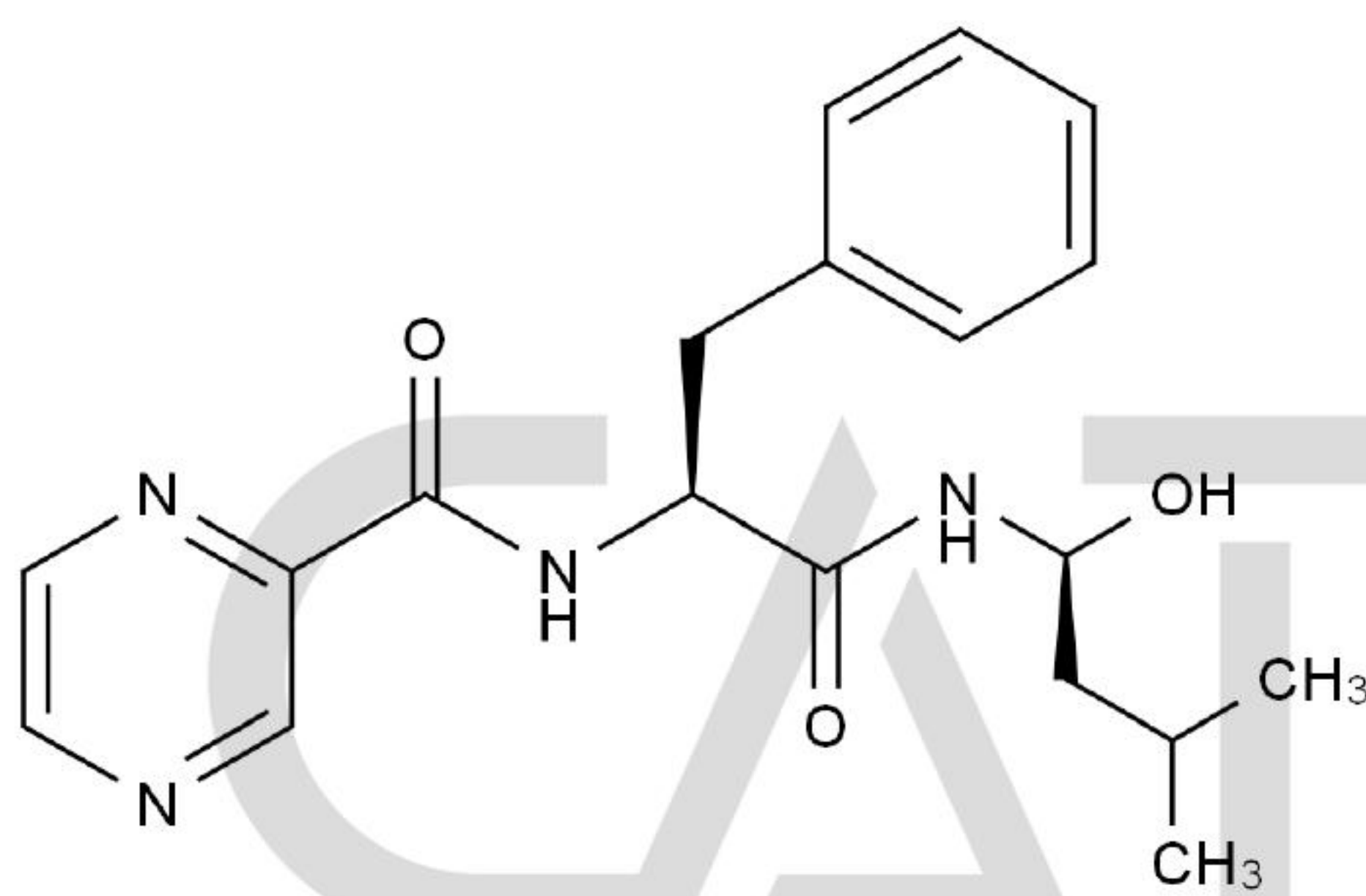


Certificate of Analysis

Reference Material & Standard

Product Name:	Bortezomib Impurity 4	Catalogue Number:	C4X-10724
Synonyms:	N/A	Lot Number:	0420-RH-0108
CAS Number:	289472-81-7	Expiry Date:	Feb 04, 2030
Molecular Formula:	C ₁₉ H ₂₄ N ₄ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	356.42	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	HRMS&UV&CNMR&HNMR	Confirmed
Purity	HPLC	98.733%
Water Content	Karl Fischer	0.00%
Residual Solvents	NMR	Not detected in NMR
Assay		98.7%

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: Apr 23, 2026

Date: Apr 23, 2026

Date: Apr 23, 2026



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