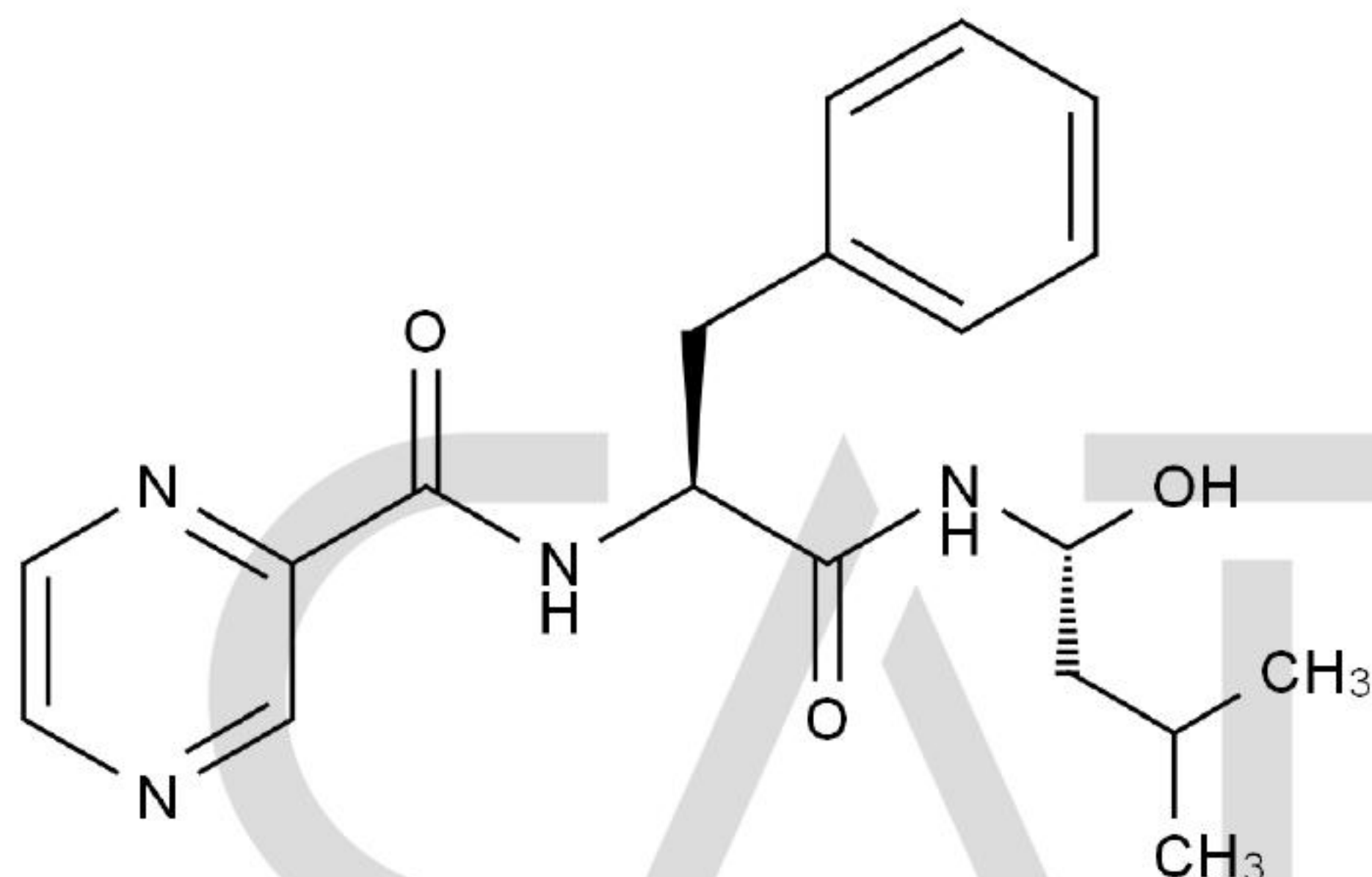


Certificate of Analysis

Reference Material & Standard

Product Name:	Bortezomib Impurity 3	Catalogue Number:	C4X-10723
Synonyms:	N/A	Lot Number:	0806-RG-0050
CAS Number:	289472-78-2	Expiry Date:	Aug 05, 2029
Molecular Formula:	C ₁₉ H ₂₄ N ₄ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	356.42	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.219%
Loss On Drying	TGA	0.2218%
Assay		99.0%

Comment:

The calculation of the 100% 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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Aug 06, 2025

Date: Aug 07, 2025

Date: Aug 07, 2025

