

Certificate of Analysis

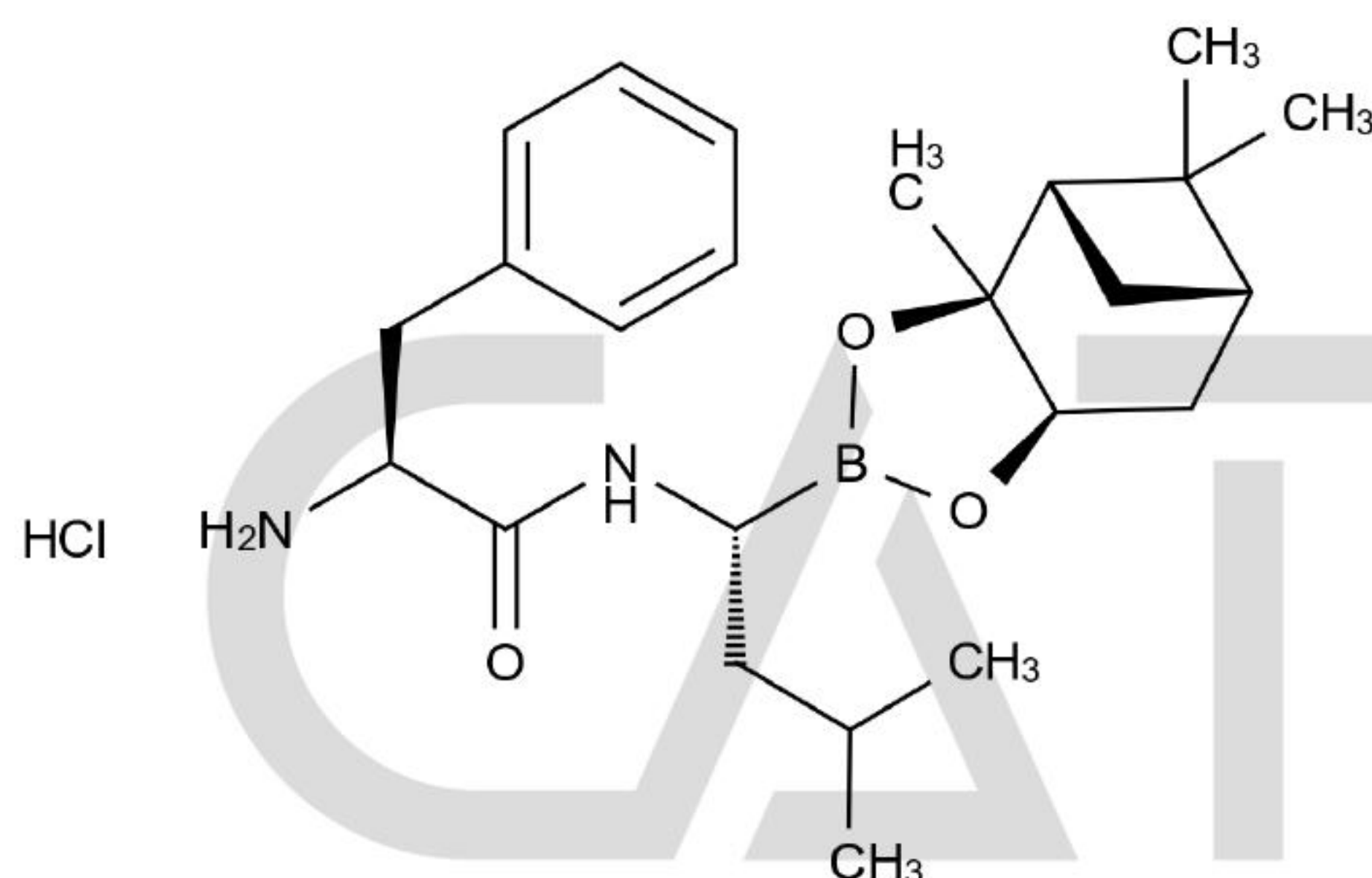
Reference Material & Standard

Product Name:	Bortezomib Impurity N54 HCl	Catalogue Number:	C1795515
Synonyms:	N/A	Lot Number:	0622-RH-0142
CAS Number:	205393-21-1	Expiry Date:	Jul 02, 2030
Molecular Formula:	C ₂₄ H ₃₇ BN ₂ O ₃ HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	412.37 36.46	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	ELSD	98.293%
Loss on Drying	TGA	0.0688%
Assay		98.2%

Comment:

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

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

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

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 03, 2026

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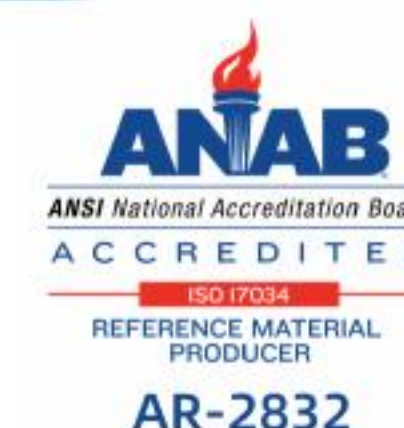
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Page 1 of 7



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