











CERTIFICATE OF ANALYSIS

Date: 24-04-2025

Product Name	Bortezomib Impur	Bortezomib Impurity (R,R-Isomer)				
Chemical Name		((R)-3-Methyl-1-((R)-3-phenyl-2-(pyrazine-2-carboxamido)propanamido)butyl)boronic acid				
Structure						
	N N N N N N N N N N N N N N N N N N N	N HO HO HO HO				
	N HO	ОН				
Batch. No.	- HO	CAS No.	1132709-15-9			
Batch. No. Analysis Date		CAS No. Retest Date	1132709-15-9 6			
	$ C_{19}H_{25}BN_4O_4$					
Analysis Date	10 20 1 1	Retest Date	6 384.2			

Test	Result
Appearance	-
Solubility	-
1H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.

	Prepared By	Checked By	Approved By
Signature			
Date			

CLEANCHEM LABORATORIES LLP