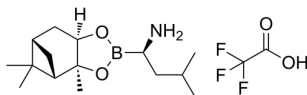


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	(R)-BoroLeu-(+)-Pinediol trifluoroacetate (Bortezomib Impurity)
<b>Cat. No.:</b>	1240331
<b>CAS No.:</b>	179324-87-9
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>29</sub> BF <sub>3</sub> NO <sub>4</sub>
<b>Molecular Weight:</b>	379.22
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Le070578658
<b>Storage:</b>	Storage temp. 2-8°C
<b>Test Date:</b>	2021-06-10
<b>Retest Date:</b>	2024-06-09
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	White to off-white (Solid)
<b>Optical Rotation:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥97.0%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

**Caution: Research use only and are not intended for human use.**

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