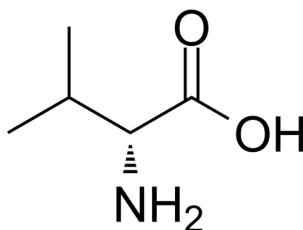


## Certificate of Analysis

### Compound Information

Product Name:	D-Valine
Cat. No.:	1038846
CAS No.:	640-68-6
Molecular Formula:	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>
Molecular Weight:	117.15
Chemical Structure:	



### Batch Information

Batch No.:	Ld120324880
Storage:	Storage temp. 2-8°C
Mfg. Date:	2020-12-04
Retest Date:	2023-12-03
Origin:	Shanghai, China

### QC Summary

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Optical Rotation:	Consistent with structure
Purity (NMR):	≥97.0%
Water(KF):	0.05%
Residue on Ignition:	0.17%
Conclusion:	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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