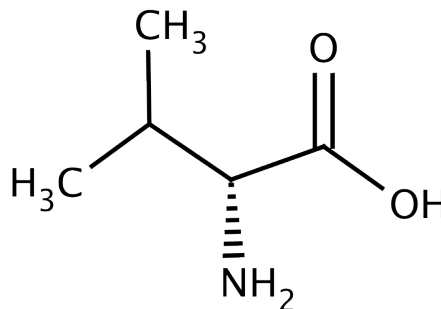


## Product Specification

Product Name : D-Valine  
Glentham Code : GM5893  
CAS Number : 640-68-6  
EINECS : 211-368-9  
MDL Number : MFCD00064219  
PubChem SID : 310281626

Molecular Weight : 117.15  
Molecular Formula : C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>  
Storage Temp. : +20°C



Property	Specification
Physical Description	White crystalline powder
Assay	98.0 - 101.0 %
Heavy Metals (as Pb)	≤ 10ppm
Loss on Drying	≤ 0.5%
Residue on Ignition	≤ 0.2%
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	-29.0 - -26.0 ° (c=8, 6N HCl)
Related Substances (TLC)	L-Valine: ≤ 1%

Specification Version : v1.0  
Date Created : 2016-09-09

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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