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## Certificate of Analysis

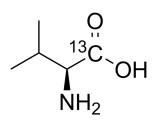
### L-Valine-1-13C

Cat. No.:	HY-N0717S4
CAS No.:	81201-85-6
Batch No.:	247150
Chemical Name:	L-Valine-1-13C

#### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>4</sub> <sup>13</sup> CH <sub>11</sub> NO <sub>2</sub>
Molecular Weight:	118.14
Storage:	4°C, sealed storage, away from moisture and light
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and
	light)

#### **Chemical Structure:**



#### ANALYTICAL DATA

Appearance:	White to off-white (Solid)
Purity:	≥99.0%
Isotopic Enrichment:	99.00%
Conclusion:	The product has been tested and complies with the given specifications.

#### Caution: Product has not been fully validated for medical applications. For research use only.

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