

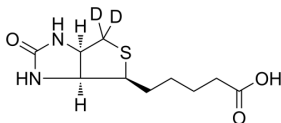
## Biotin-d<sub>2</sub>-1

Cat. No.:	HY-B0511S
CAS No.:	1217481-41-8
Batch No.:	250929
Chemical Name:	5-((3aS,4S,6aR)-2-Oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl-6,6-d <sub>2</sub> )pentanoic acid

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>10</sub> H <sub>14</sub> D <sub>2</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	246.32
Storage:	Powder            -20°C    3 years
	In solvent        -80°C    6 months
	-20°C    1 month

### Chemical Structure:



### ANALYTICAL DATA

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
MS:	Consistent with structure
Purity (HPLC):	99.65%
Isotopic Enrichment:	98.50%
Additional Information:	d <sub>2</sub> =97.01%, d <sub>1</sub> =2.99%
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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