

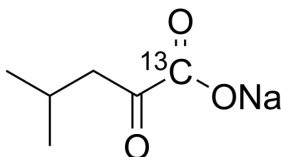
## 4-Methyl-2-oxopentanoic acid-<sup>13</sup>C (sodium)

Cat. No.: HY-W012722BS1  
CAS No.: 93523-70-7  
Batch No.: 392275  
Chemical Name: Pentanoic-1-<sup>13</sup>C acid, 4-methyl-2-oxo-, sodium salt

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>5</sub><sup>13</sup>CH<sub>9</sub>NaO<sub>3</sub>  
Molecular Weight: 153.12  
Storage: -20°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 (HPLC): ≥98.0%  
Isotopic Enrichment: 99.3%  
pH: 7.3  
Karl Fischer Titration for Total Water Content: <10000 ppm  
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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