

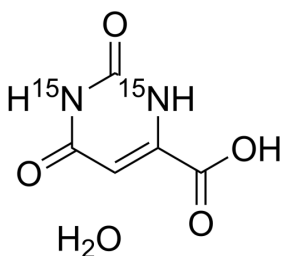
## Orotic acid-<sup>15</sup>N<sub>2</sub> (hydrate)

Cat. No.: HY-W016812S  
Batch No.: 468036  
Chemical Name: 2,6-Dioxo-1,2,3,6-tetrahydropyrimidine-4-carboxylic acid hydrate-<sup>15</sup>N<sub>2</sub>

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>5</sub>H<sub>6</sub><sup>15</sup>N<sub>2</sub>O<sub>5</sub>  
Molecular Weight: 176.10  
Storage: 4°C, sealed storage, away from moisture  
\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
Purity (HPLC): 99.94%  
Isotopic Enrichment: 98.6%  
Additional Information: <sup>15</sup>N<sub>0</sub>=0.04%, <sup>15</sup>N<sub>1</sub>=2.79%, <sup>15</sup>N<sub>2</sub>=97.17%  
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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