

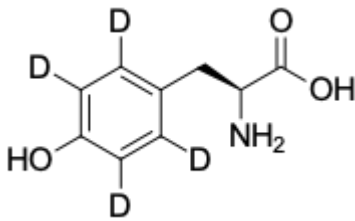
## L-Tyrosine-d4

<http://www.lumiprobe.com/p/l-tyrosine-ring-d4>

L-Tyrosine-(phenyl-d4) is one of the labeled with stable isotopes of an aromatic amino acid, L-tyrosine.

L-Tyrosine serves as a biomarker for detecting phenylketonuria, including in neonatal screening, and for monitoring other metabolic disorders such as tyrosinemias. Furthermore, its isomers are used as markers of oxidative stress (e.g., in sepsis), and L-tyrosine level measurements are conducted in metabolomic research.

The use of our L-Tyrosine-d4 standard ensures high accuracy and reliability in your biomedical research and analysis.



**Structure of L-Tyrosine (ring-d4)**

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### General properties

Appearance: white powder

Molecular weight: 185.21

CAS number: 62595-14-6

Molecular formula:  $C_9H_7D_4NO_3$

Solubility: in water

Quality control: NMR  $^1H$  and HPLC-MS (95+ %, D: 98+ %)

Storage conditions: 24 months after receipt at  $-20^\circ C$  in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.

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