# Certificate of Analysis



## L-Thyroxine

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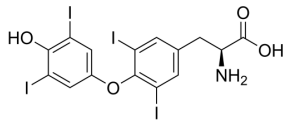
|---|---|
| **Cat. No.:** | HY-18341 |
| **CAS No.:** | 51-48-9 |
| **Batch No.:** | 270340 |
| **Chemical Name:** | L-Tyrosine, O-(4-hydroxy-3,5-diiodophenyl)-3,5-diiodo- |

### PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Molecular Formula:** | $C_{15}H_{11}I_4NO_4$ | | |
| **Molecular Weight:** | **776.87** | | |
| **Storage:** | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |

**Chemical Structure:**




### ANALYTICAL DATA

| | |
|---|---|
| **Appearance:** | White to light yellow (Solid) |
| **$^1$H NMR Spectrum:** | Consistent with structure |
| **LCMS:** | Consistent with structure |
| **Purity (LCMS):** | **99.49%** |
| **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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