# Certificate of Analysis



## Ketoconazole-$d_4$

| | |
|---|---|
| **Cat. No.:** | HY-B0105S1 |
| **CAS No.:** | 1398065-75-2 |
| **Batch No.:** | 256852 |
| **Chemical Name:** | Ethanone, 1-[4-[4-[[(2R,4S)-2-(2,4-dichlorophenyl)-2-(1H-imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]-1-piperazinyl]-d4, rel- |

### PHYSICAL AND CHEMICAL PROPERTIES

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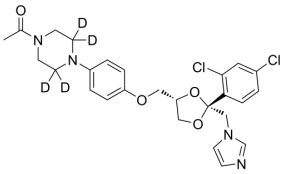
|---|---|---|---|
| **Molecular Formula:** | $C_{26}H_{24}D_4Cl_2N_4O_4$ | | |
| **Molecular Weight:** | **535.46** | | |
| **Storage:** | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |

**Chemical Structure:**



### ANALYTICAL DATA

| | |
|---|---|
| **Appearance:** | White to light yellow (Solid) |
| **Purity:** | **≥98.0%** |
| **Isotopic Enrichment:** | 99.30% |
| **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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