Certificate of Analysis

Haloperidol-d₄-1

Cat. No.: HY-14538S1 CAS No.: 136765-35-0 Batch No.: 247275

Chemical Name: 1-Butanone, 4-[4-(4-chlorophenyl)-4-hydroxy-1-piperidinyl]-1-(4-fluorophenyl-2,3,5,6-d4)- (9CI)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $\mathsf{C}_{21}\mathsf{H}_{19}\mathsf{D}_{4}\mathsf{CIFNO}_{2}$

379.89 Molecular Weight:

Storage: Powder -20°C 3 years

> In solvent -80°C 6 months

> > -20°C 1 month

Chemical Structure:

ANALYTICAL DATA

White to off-white (Solid) Appearance: ¹H NMR Spectrum: Consistent with structure LCMS: Consistent with structure

Purity (NMR): ≥98.0%

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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