

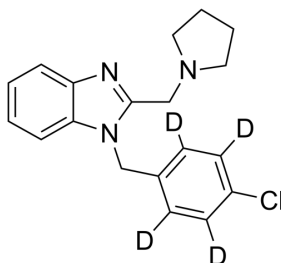
## Clemizole-d<sub>4</sub>

Cat. No.: HY-30234S  
Batch No.: 338977  
Chemical Name: 1H-Benzimidazole, 1-[(4-chlorophenyl)methyl]-2-(1-pyrrolidinylmethyl)-d<sub>4</sub>

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>19</sub>H<sub>16</sub>D<sub>4</sub>ClN<sub>3</sub>  
Molecular Weight: 329.86  
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 off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Purity (HPLC): 99.82%  
Isotopic Enrichment: 100.00%  
Additional Information: d<sub>4</sub>=100.00%  
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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