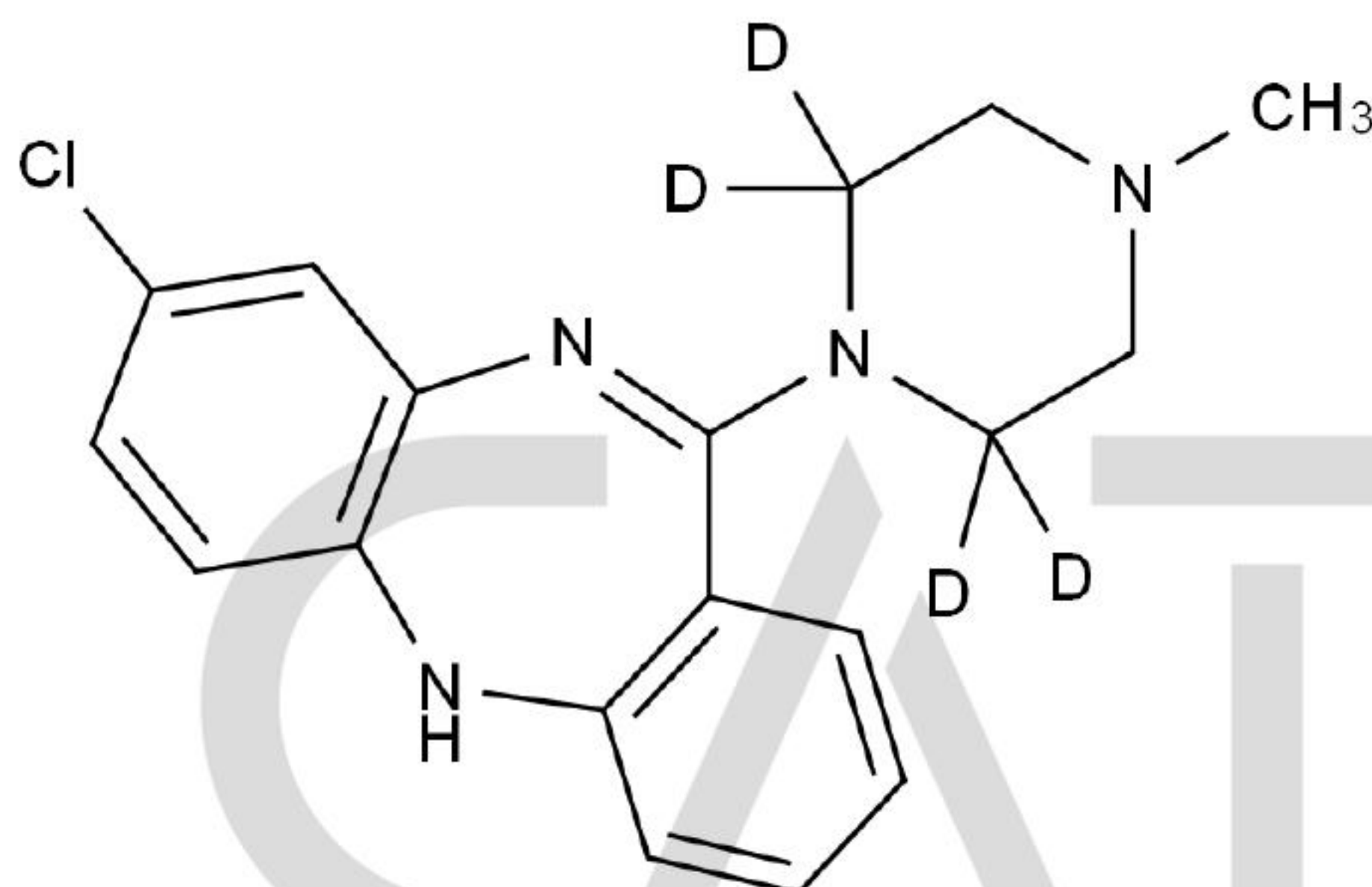


Certificate of Analysis

Reference Material & Standard

Product Name:	Clozapine-D4	Catalogue Number:	CCAD302496
Synonyms:	N/A	Lot Number:	0430-RF-0017
CAS Number:	204395-52-8	Expiry Date:	Apr 24, 2027
Molecular Formula:	C ₁₈ H ₁₅ D ₄ ClN ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	330.85	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	99.9814%
Isotopic Purity		98.8%
Water Content	Karl Fischer	0.20%
Residual Solvents	NMR	0.4% ethyl acetate and 0.2% n-hexane
Assay		99.2%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using

Signature:   

Prepared by:

Reviewed by:

Aproved by General Manager:

Date: May 06, 2024

Date: May 06, 2024

Date: May 06, 2024

