



CERTIFICATE OF ANALYSIS

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1. Identification

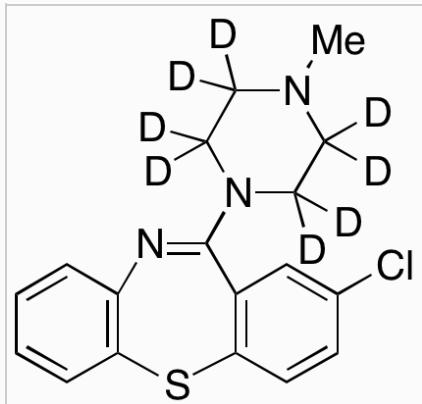
**Catalogue
Number:** C588552

**CAS
Number:** NA

Product: Clothiapine-d8

Synonym: 2-Chloro-11-(4-methyl-1-piperazinyl)dibenzo[b,f][1,4]thiazepine; Clothiapin; Clotiapine; Deliton-d8; Entumine-d8; Etumine-d8; HF 2159-d8; LW 2159-d8;

Structure:



Molecular Formula:

C₁₈H₁₀D₈CIN₃S

Molecular weight:

351.92

Source of I

Synthetic
Solubility:
DMSO (Slightly), Methanol

**Lot
Number:** 14-MNZ-112-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Light Beige Solid	Pale Yellow to Light Beige Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 61.67, %H: 5.17, %N: 12.17
HPLC Purity	Report Result	99.59% (220 nm)
Isotopic Purity	>95%	97.2%

Normalized Intensity: d0 = 0.00%, d1 = 0.00%, d2 = 0.00%, d3 = 0.05%, d4 = 0.00%, d5 = 0.38%, d6 = 2.29%, d7 = 16.86%, d8 = 80.42%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Sarjeet Kaur	Toni Rantanen	Chanell Chu	7/17/2023	7/15/2027