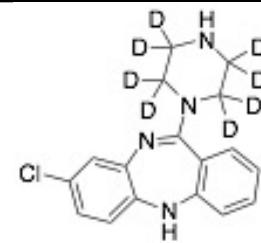


**CERTIFICATE OF ANALYSIS****1. Identification**

Catalogue Number D292002      Lot Number 18-MNZ-39-1

Product Name  
N-Desmethyl Clozapine-d8

Synonyms  
8-Chloro-11-(1-piperazinyl-d8)-5H-dibenzo[B,E][1,4]diazepine;

StructureCAS Number

1189888-77-4

Solubility

Acetonitrile (Slightly), Chloroform (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC<sub>17</sub>H<sub>9</sub>D<sub>8</sub>CIN<sub>4</sub>Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

320.85

Purity

&gt;95%

**2. Warnings**

Not Determined

**3. Analytical Information**

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Pale Yellow to Yellow Solid	Pale Yellow to Yellow Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	>95%	99.82% (215 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.0%

Additional InformationNormalized Intensity: d<sub>0</sub> = 0.38%, d<sub>1</sub> = 0.00%, d<sub>2</sub> = 0.00%, d<sub>3</sub> = 0.05%, d<sub>4</sub> = 0.14%, d<sub>5</sub> = 0.12%, d<sub>6</sub> = 0.71%, d<sub>7</sub> = 10.77%, d<sub>8</sub> = 87.84%

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**

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			3/1/2024	2/28/2028

Henry Tieu  
Product Quality Specialist

Toni Rantanen  
Manager, Quality Assurance

Chanell Chu  
Quality Assurance Associate