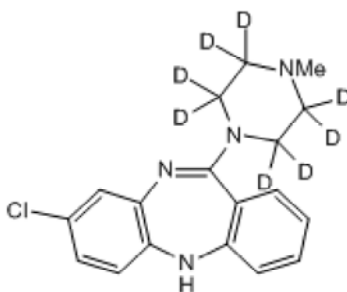


Product Name: Clozapine - d₈ **Catalog No.:** 5530 **Batch No.:** 1
CAS Number: 1185053-50-2
IUPAC Name: 8-Chloro-11-(4-methyl-1-piperazinyl-2,2,3,3,5,5,6,6-d₈)-5H-dibenzo[b,e][1,4]diazepine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₈H₁₁D₈ClN₄
Batch Molecular Weight: 334.87
Physical Appearance: White solid
Solubility: ethanol to 100 mM
 2eq.HCl to 50 mM with gentle warming
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

Isotopic Purity: 99.7% D
HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: Clozapine - d₈

Catalog No.: 5530

Batch No.: 1

CAS Number: 1185053-50-2

IUPAC Name: 8-Chloro-11-(4-methyl-1-piperazinyl-2,2,3,3,5,5,6,6-d₈)-5H-dibenzo[b,e][1,4]diazepine

Description:

Deuterated clozapine. Clozapine also available.

Physical and Chemical Properties:

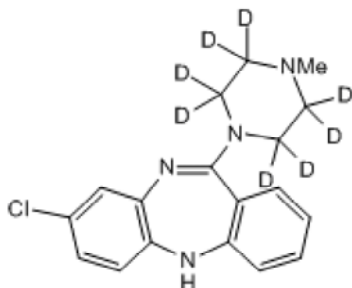
Batch Molecular Formula: C₁₈H₁₁D₈ClN₄

Batch Molecular Weight: 334.87

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

ethanol to 100 mM

2eq.HCl to 50 mM with gentle warming

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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