



## 1. Identification

Catalogue Number

C175844

Lot Number

23-MNZ-21-5

Product Name

Carbamazepine-d8(Major)

Synonyms

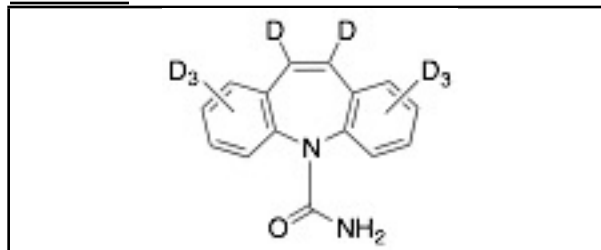
5H-Dibenz[b,f]azepine-5-carboxamide-d8; 5-Carbamoyl-5H-dibenz[b,f]azepine-d8; Amizepin-d8; Biston-d8; CBZ-d8; Calepsin-d8; Carbamazepen-d8; Carbamazepin-d8; G 32883-d8; Tegretol-d8;

CAS Number

N/A

Solubility

Chloroform (Slightly), Methanol (Slightly)

StructureShipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula $C_{15}H_4D_8N_2O$ Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

244.32

Purity

&gt;95%

## 2. Warnings

Not Determined

## 3. Analytical Information

Tests

Appearance

Specifications

White to Pale Yellow Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 71.26, %H: 5.14, %N: 10.79

HPLC Purity

&gt;95%

97.98% (215 nm)

MS

Conforms to Structure

Conforms

Additional Information

Normalized Intensity:  $d_0 = 0.00\%$ ,  $d_1 = 0.00\%$ ,  $d_2 = 0.00\%$ ,  $d_3 = 0.01\%$ ,  $d_4 = 0.09\%$ ,  $d_5 = 0.88\%$ ,  $d_6 = 12.23\%$ ,  $d_7 = 35.47\%$ ,  $d_8 = 51.31\%$

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 byReviewed byC of A Approved byTest DateRetest Date

5/17/2024

5/15/2028

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