

1. Identification

Catalogue Number

C175843

Lot Number

5-XAL-14-2

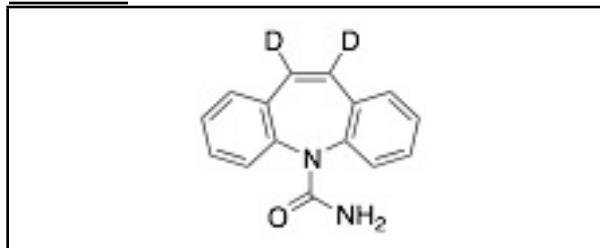
Product Name

Carbamazepine-d2 (Major)

Synonyms

5H-Dibenz[b,f]azepine-5-carboxamide-d2; 5-Carbamoyl-5H-dibenz[b,f]azepine-d2; Amizepin-d2; Biston-d2; CBZ-d2; Calepsin-d2; Carbamazepin-d2; Carbamazepine-d2; G 32883-d2; Geigy 32883-d2; Karbamazepin-d2; Karbelex-d2; Karberol-d2; NSC 169864-d2; Tegretol-d2;

Structure



CAS Number

1189902-21-3

Solubility

Chloroform (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₅H₁₀D₂N₂O

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

238.28

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 68.95, %H: 5.32, %N: 10.44
HPLC Purity	>95%	99.83% (220 nm)
MS	Conforms to Structure	Conforms
Water Content	Report Result	9.0% by Karl Fischer

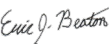


Additional Information

Elemental Analysis: (Theoretical) %C: 75.61, %H: 5.08, %N: 11.76

Normalized Intensity: d₀ = 0.00%, d₁ = 1.65%, d₂ = 61.82%, d₃ = 32.66%, d₄ = 3.87%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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>
			8/31/2020	8/29/2030
Eric Beaton	Toni Rantanen	My Nguyen		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		