



CERTIFICATE OF ANALYSIS

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1. Identification

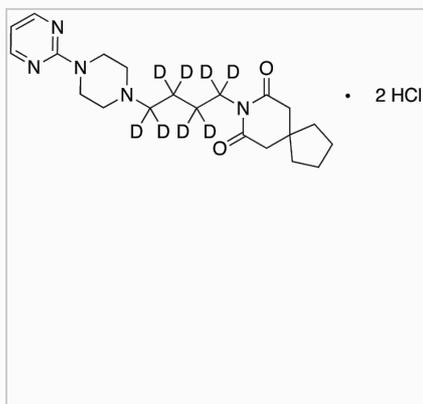
Catalogue Number: B689852

CAS Number: NA

Product: Buspirone-d8 Dihydrochloride

Synonym: 8-[4-[4-(2-Pyrimidinyl)-1-piperazinyl]butyl-d8]-8-azaspiro[4.5]decane-7,9-dione Dihydrochloride; Ansial-d8 Dihydrochloride; Ansiced-d8 Dihydrochloride; Axoren-d8 Dihydrochloride; Bespar-d8 Dihydrochloride; Buspar-d8 Dihydrochloride; Narol-d8 Dihydrochloride;

Structure:



Molecular Formula:

$C_{21}H_{25}D_8Cl_2N_5O_2$

Molecular weight:

466.47

Source of Product:

Synthetic

Solubility:

Acetonitrile (Very Slightly),
Methanol (Slightly), Water
(Slightly)

Lot Number: 19-SHG-129-1

Purity: 96%

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

Storage Condition: -20°C

2. Warning

Warning 1: Toxic

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 51.75, %H: 7.69, %N: 14.29
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.4%
Water Content	Report Result	~4.3% based on Elemental Analysis
HPLC Purity	>95%	99.75%

Additional Information: NA

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

Neha Khanna



Reviewed By

Xhoana Gjergji



**C of A Approved
By**

My Nguyen



Test Date

8/20/2019

Retest Date

8/18/2026