

**1. Identification**Catalogue Number

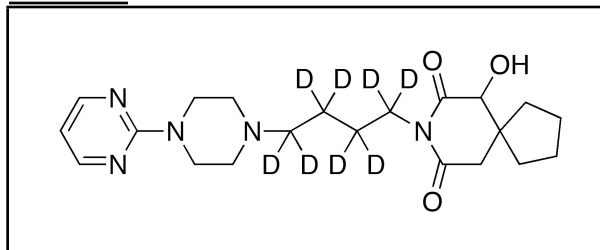
H830802

Lot Number

24-GRS-115-2

Product Name

6-Hydroxy Buspirone-d8

Synonyms6-Hydroxy-8-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl-d8]-8-azaspiro[4.5]decane
-7,9-StructureCAS Number

1189644-16-3

SolubilityChloroform (Slightly), Ethyl Acetate
(Slightly), Methanol (Slightly)Shipping ConditionThis Product Is Stable To Be Shipped At Room
TemperatureMolecular Formula $C_{21}H_{23}D_8N_5O_3$ Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

409.55

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: 61.58, %H: 7.90, %N: 16.42
HPLC Purity	>95%	96.13% (245 nm)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.4%

Additional InformationNormalized Intensity: $d_0 = 0.02\%$, $d_1 = 0.00\%$, $d_2 = 0.01\%$, $d_3 = 0.31\%$, $d_4 = 0.01\%$, $d_5 = 0.05\%$, $d_6 = 0.00\%$, $d_7 = 3.14\%$, $d_8 = 96.45\%$

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. SignaturesReviewed by

Nicole Yip

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Christina Gouliaras

Quality Assurance Associate

Test Date

8/23/2022

Retest Date

8/21/2026