



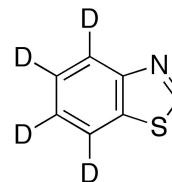
1. Identification

Catalogue Number

B206642

Lot Number

22-MGG-167-2

StructureProduct Name

Benzo[d]thiazole-d4

SynonymsBenzo[d]thiazole-4,5,6,7-d4; 1-Thia-3-azaindene-d4; Benzo[d]thiazole-d4;
Benzosulfonazole-d4; NSC 8040-d4; Vanguard BT-d4;CAS Number

194423-51-3

SolubilityChloroform (Slightly), Methanol
(Slightly)Shipping ConditionThis Product Is Stable To Be Shipped At Room
TemperatureMolecular FormulaC₇H₄D₄NSSource of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

139.21

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

Light Red to Dark Brown Oil

Results

Clear Colourless to Light Brown Oil

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 59.11, %H: 3.71, %N: 9.92

HPLC Purity

>95%

96.86% (255 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.1%

Additional InformationNormalized Intensity: d₀ = 0.26%, d₁ = 0.03%, d₂ = 0.36%, d₃ = 5.58%, d₄ = 93.76%

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

Reviewed 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

8/23/2023

Retest Date

8/21/2027