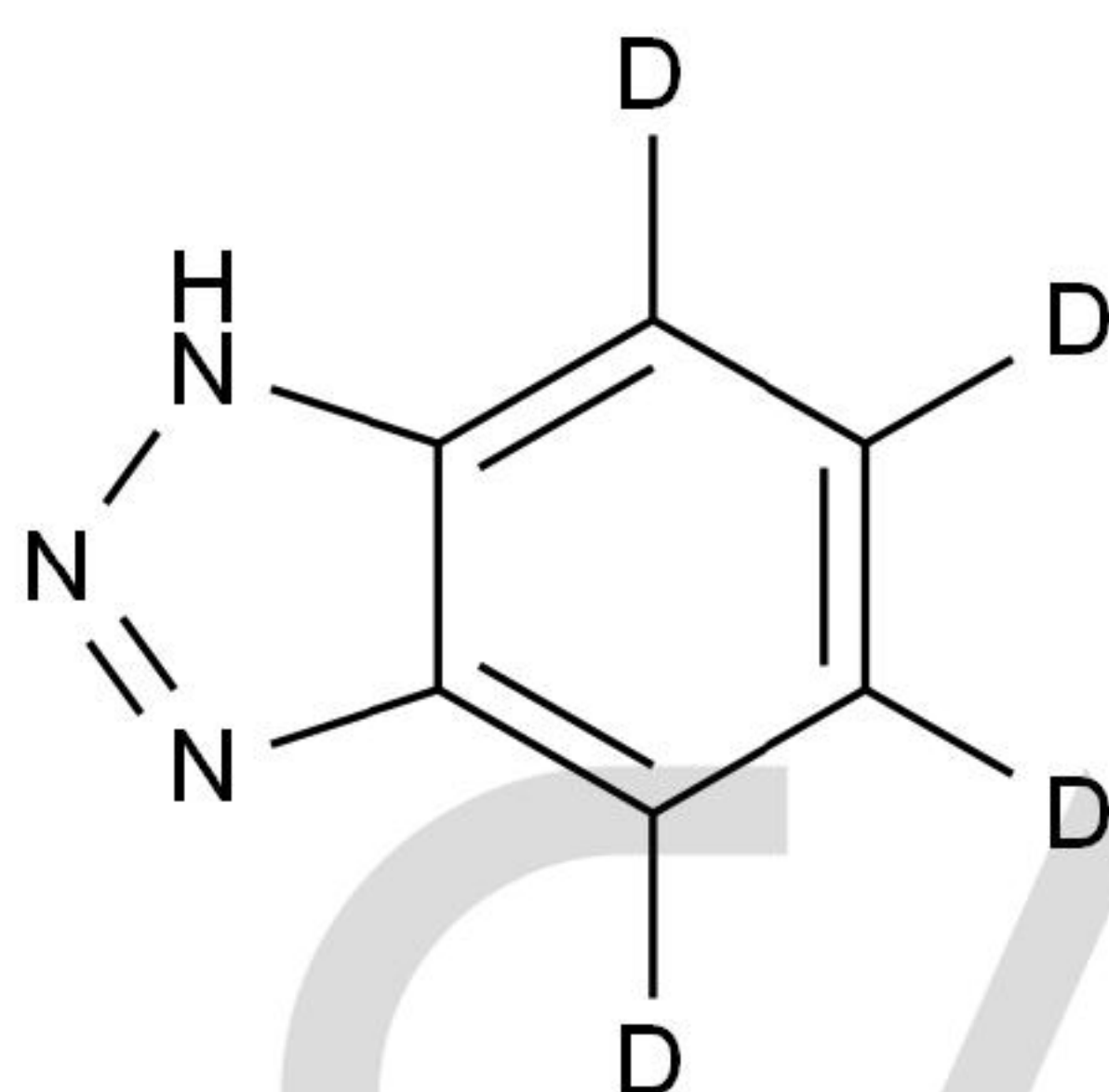


Certificate of Analysis

Reference Material

Product Name:	Benzotriazole-d4	Catalogue Number:	CCHM702684
Chemical Name:	N/A	Lot Number:	0918-RE-0093
CAS Number:	1185072-03-0	Expiry Date:	Aug 10, 2026
Molecular Formula:	C ₆ H ₄ N ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	123.15		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Brown to Brown Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.8%
Isotopic Purity		99.2%
Uncertainty		±2.0%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Aug 11, 2022

Date: Sep 21, 2023

Date: Sep 21, 2023

