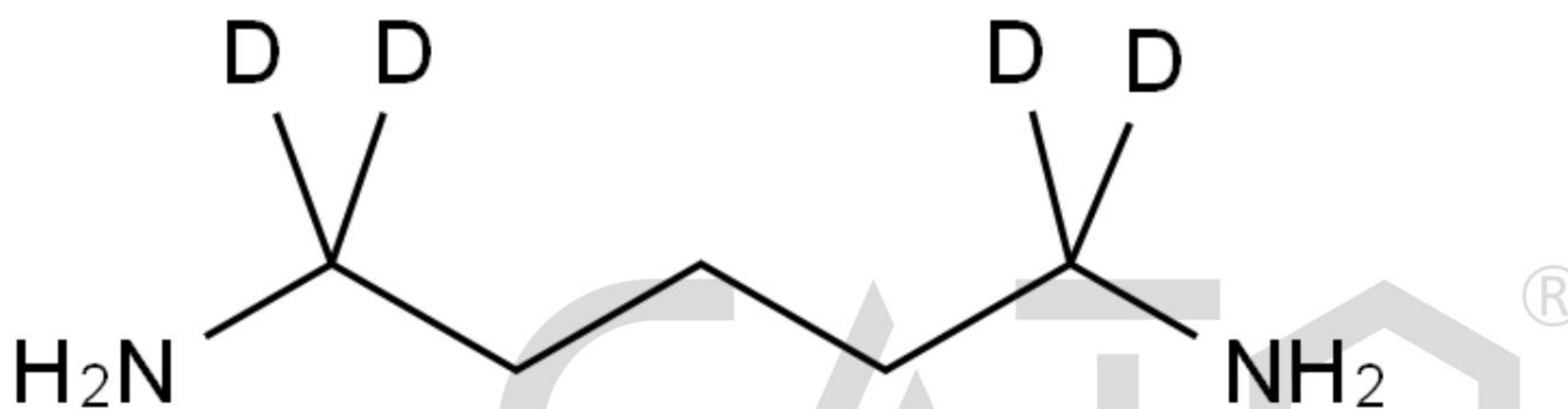


Certificate of Analysis

Reference Material & Standard

Product Name:	1,5-Pentane-1,1,5,5-d4-diamine	Catalogue Number:	CCEM501592
Synonyms:	N/A	Lot Number:	0921-RE-0027
CAS Number:	95596-35-3	Expiry Date:	Mar 10, 2025
Molecular Formula:	C5H10D4N2	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	106.20		
Chemical Structure:			



Test Items	Method	Results
Appearance	Visual inspection	Clear Colourless Oil
Identification	LCMS&HNMR	Confirmed
Chemical Purity	NMR	95.0%
Isotopic Purity		98.7%
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

Aproved by General Manager:

David

Date: Sep 22, 2023

Date: Sep 22, 2023

Date: Sep 22, 2023

