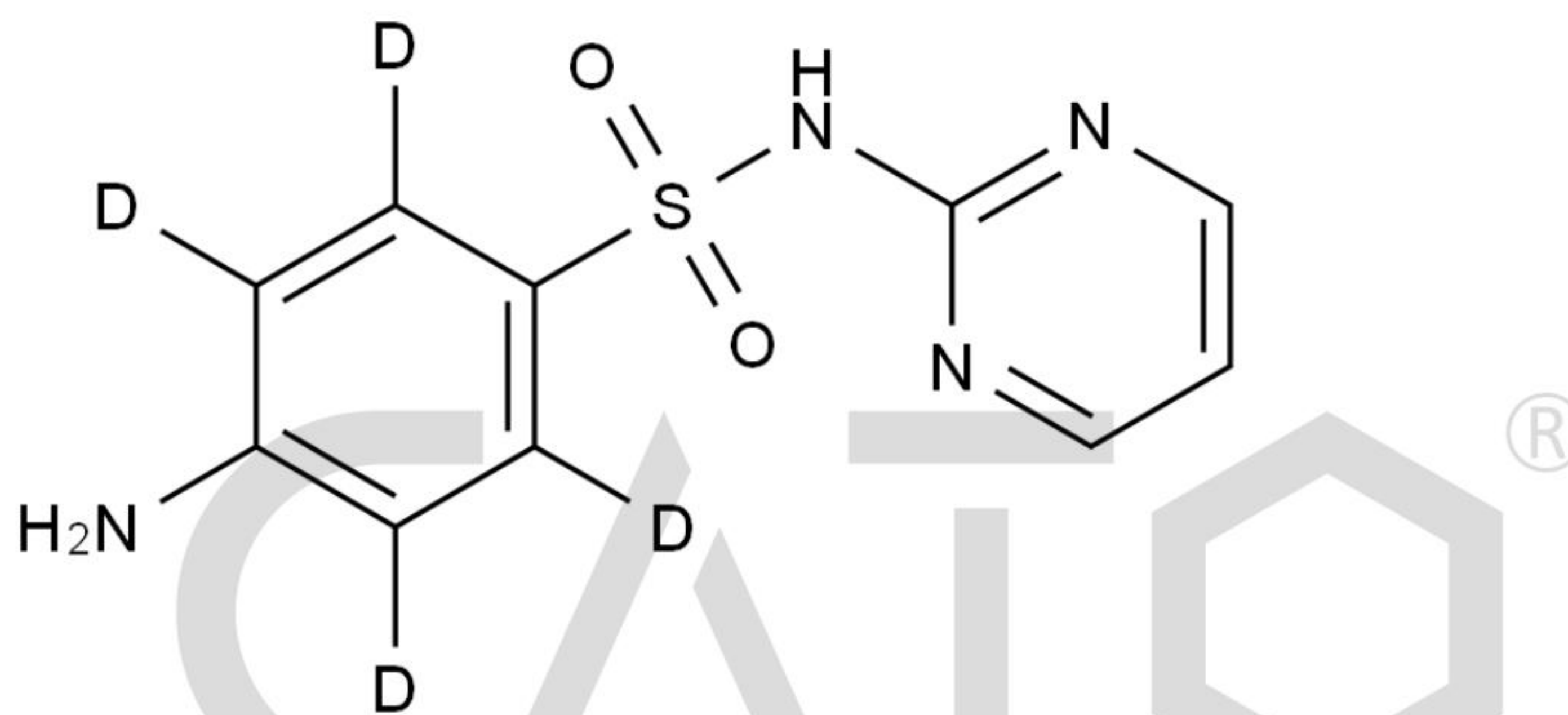


Certificate of Analysis

Reference Material & Standard

Product Name:	Sulfadiazine-D4	Catalogue Number:	CCAD300697
Synonyms:	N/A	Lot Number:	0515-RG-0105
CAS Number:	1020719-78-1	Expiry Date:	May 14, 2029
Molecular Formula:	C ₁₀ H ₆ D ₄ N ₄ O ₂ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	254.30		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow to White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.5%
Isotopic Purity		98.2%
Uncertainty		±0.1%

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

Approved by General Manager:

David

Date: May 19, 2025

Date: May 19, 2025

Date: May 19, 2025

