

Certificate of Analysis

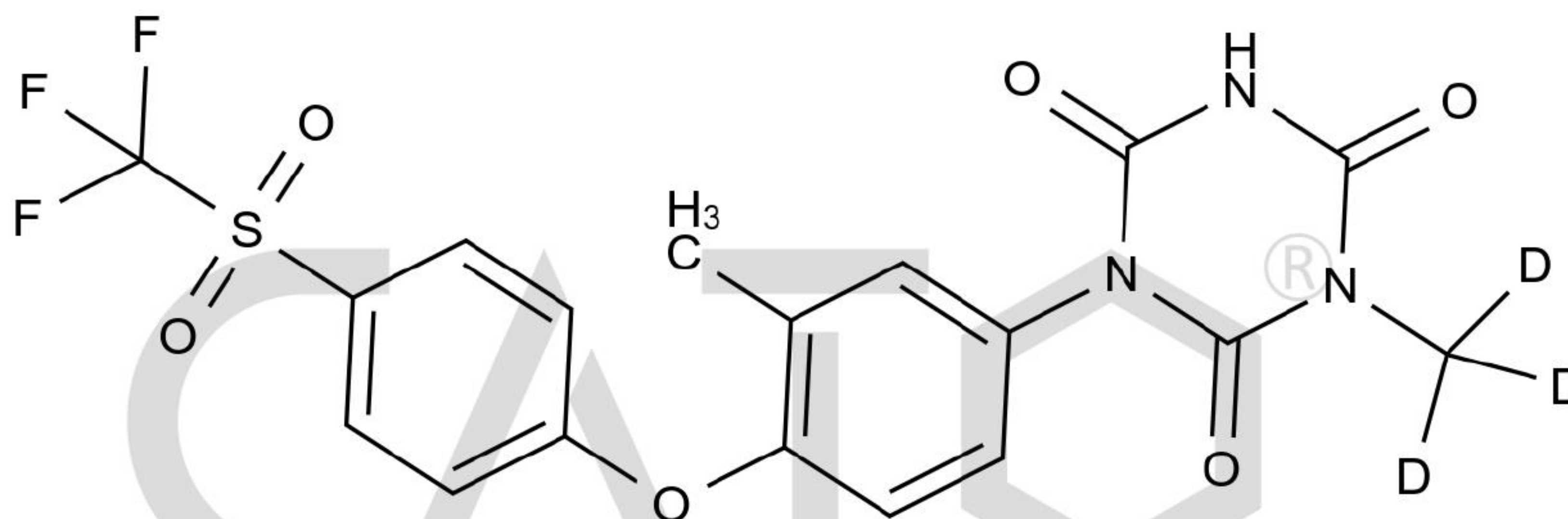
Reference Material & Standard

Product Name:	Toltrazuril Sulfone-D3	Catalogue Number:	CCAD302574
Synonyms:	N/A	Lot Number:	1117-RD-0016
CAS Number:	1346602-48-9	Expiry Date:	Nov 11, 2029
Molecular Formula:	C ₁₈ H ₁₁ D ₃ F ₃ N ₃ O ₆ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	460.40	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.8%
Isotopic Purity		99.8%
Residual Solvents	NMR	0.6% ethyl acetate
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: Nov 12, 2025

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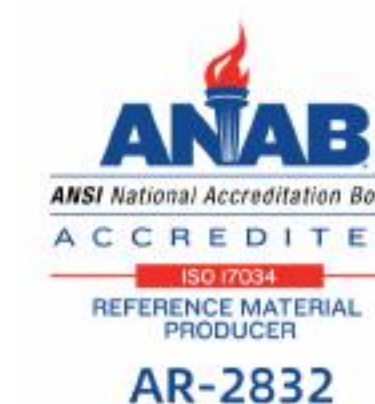
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