

Certificate of Analysis

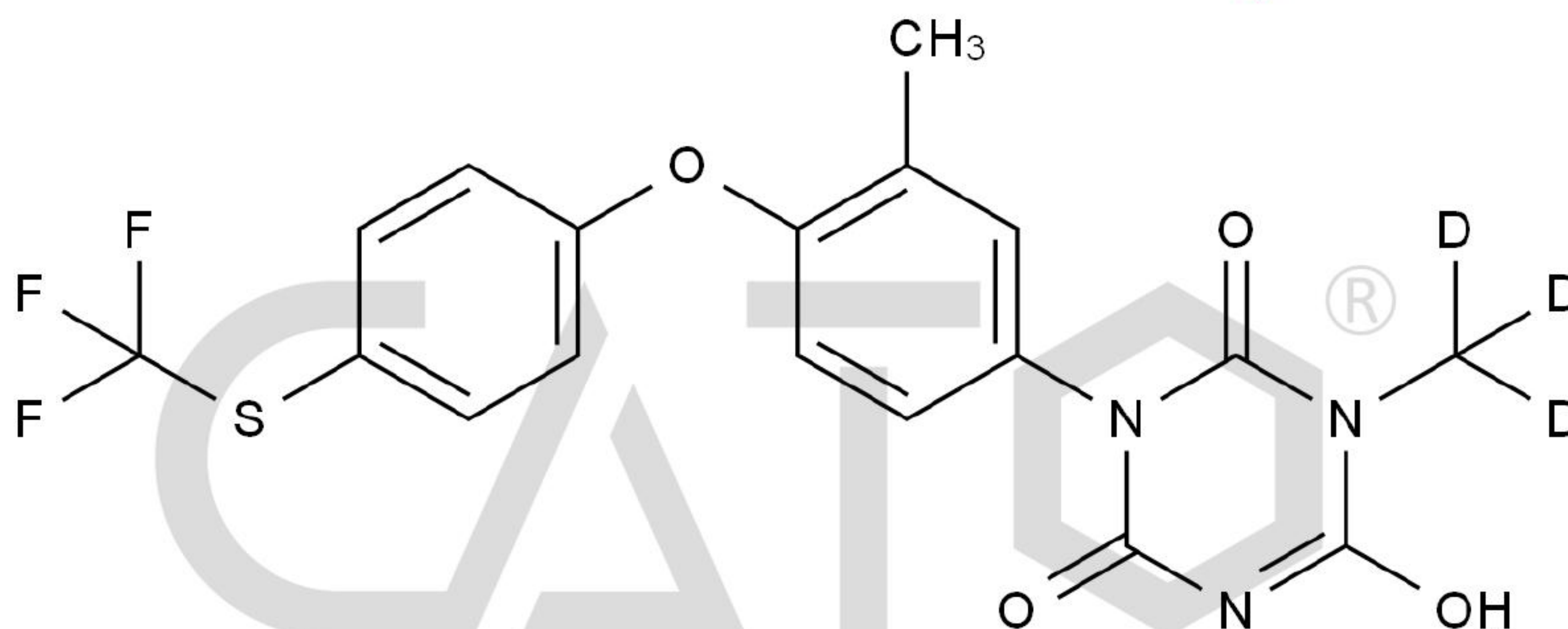
Reference Material & Standard

Product Name:	Toltrazuril-D3	Catalogue Number:	CCAD300846
Synonyms:	N/A	Lot Number:	0630-RE-0054
CAS Number:	1353867-75-0	Expiry Date:	Apr 15, 2025
Molecular Formula:	C ₁₈ H ₁₁ D ₃ F ₃ N ₃ O ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	428.40	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	HNMR	Confirmed
Chemical Purity	HPLC	99.3%
Isotopic Purity		99.0%
Residual Solvents	NMR	0.2% ethanol
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

Approved by General Manager:

David

Date: Jun 30, 2023

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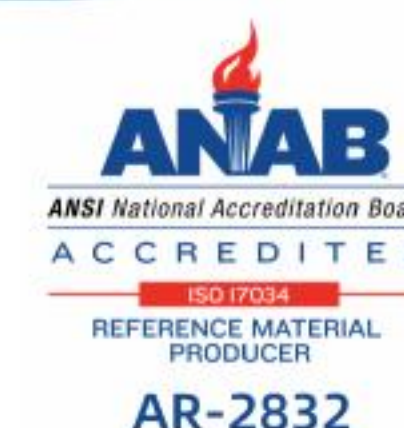
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