

Certificate of Analysis

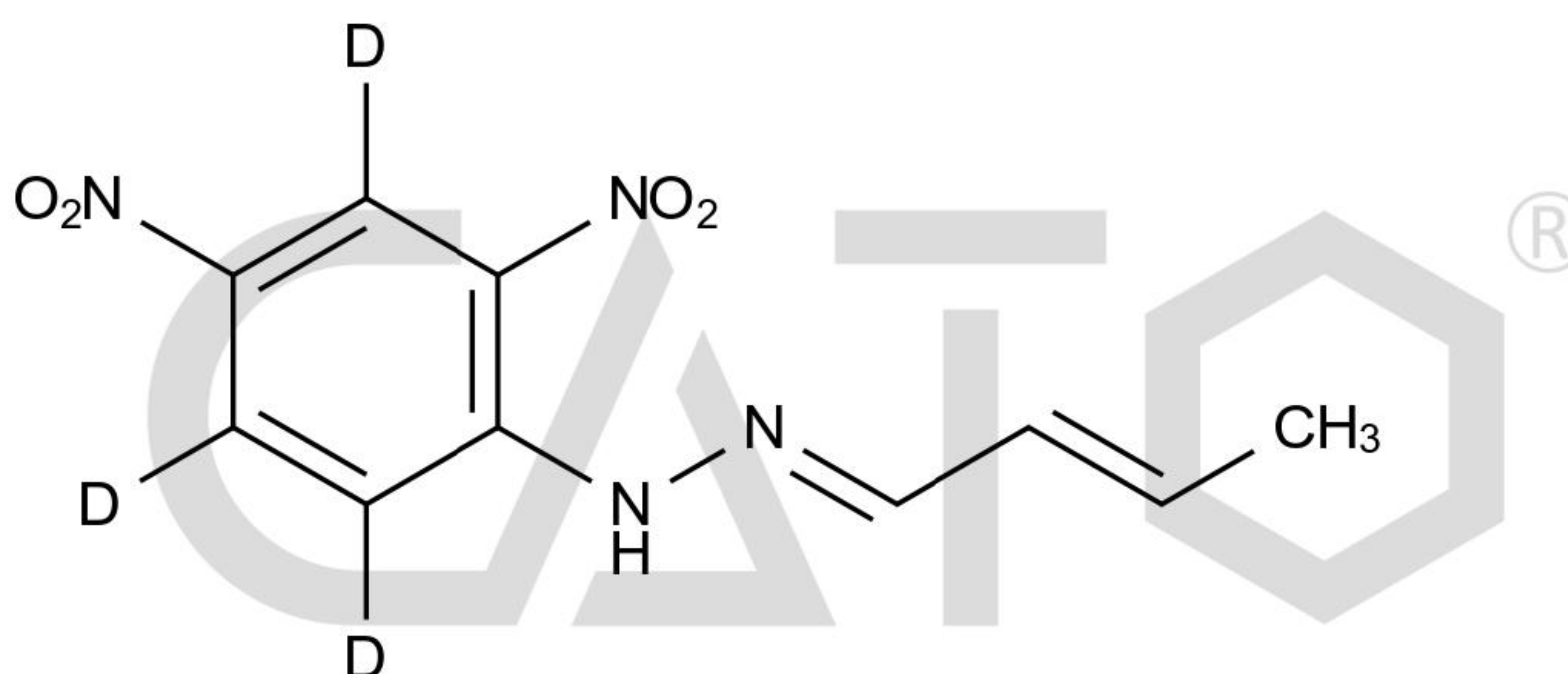
Reference Material & Standard

Product Name:	Crotonaldehyde 2,4-Dinitrophenylhydrazone-d3	Catalogue Number:	CS297189
Synonyms:	N/A	Lot Number:	0416-RH-0071
CAS Number:	259824-64-1	Expiry Date:	Jul 23, 2028
Molecular Formula:	C ₁₀ H ₇ D ₃ N ₄ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	253.23	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Dark Red Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.1%
Isotopic Purity		99.1%
Uncertainty		±0.2%

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: Apr 17, 2026

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