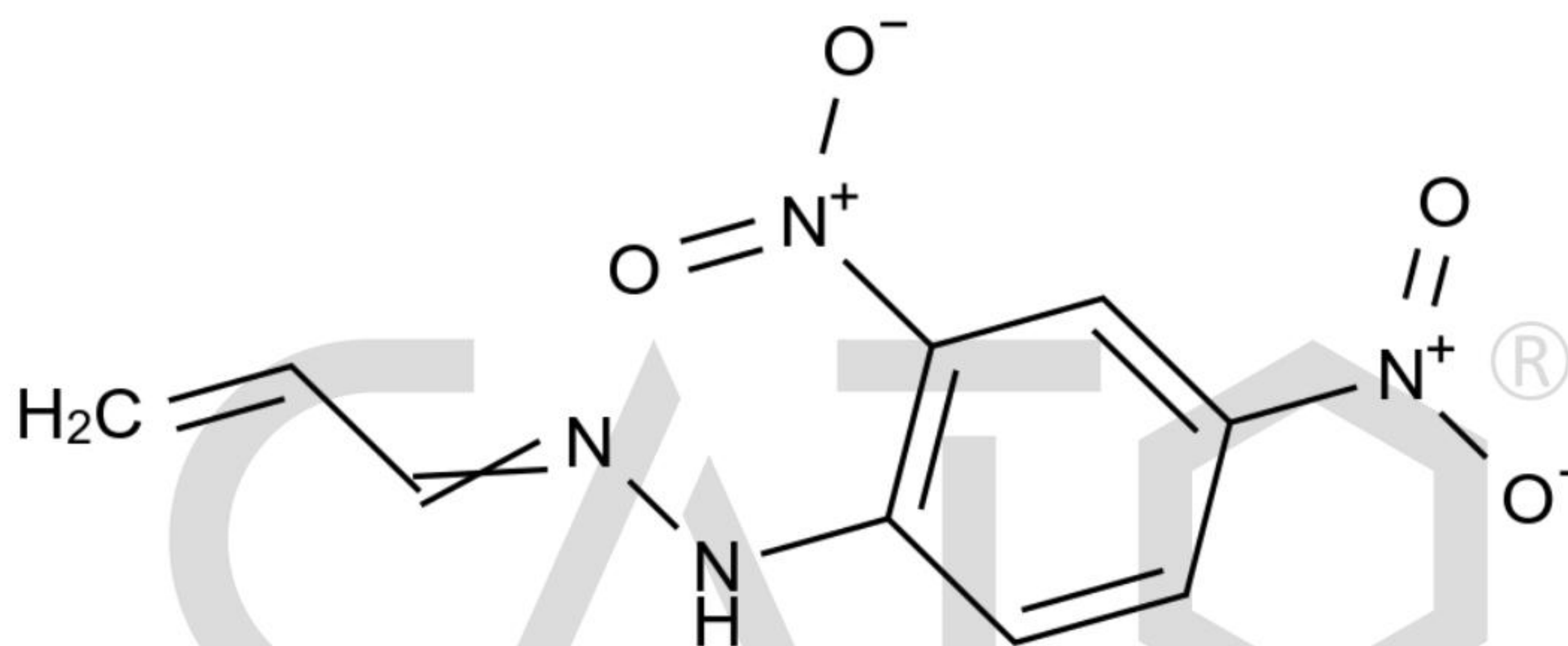


Certificate of Analysis

Intermediate Material

Product Name:	1-Allylidene-2-(2,4-dinitrophenyl)hydrazine	Catalogue Number:	CIM-100314
Batch Size:	N/A	Lot Number:	0510-RE-0008
CAS Number:	888-54-0	Production Date:	May 10, 2023
Molecular Formula:	C ₉ H ₈ N ₄ O ₄	Report Date:	May 15, 2023
Molecular Weight:	236.18	Expiry Date:	May 14, 2025
		Storage:	-20°C±5°C Protected from light and Sealed

Chemical Structure:



Test Items	Method	Acceptance Criteria	Results
Appearance	Visual inspection	Orange Powder	Orange Powder
Identification	LCMS&HNMR	Conforms to structure	Confirmed
Purity	HPLC	NLT 95.0%	95.638%
Residue on Ignition	TGA	NMT 1.0%	0.3545%
Loss On Drying	TGA	NMT 2.0%	0.1886%
Assay		NMT 2.0%	95.1%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss On Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hinlam

Reviewed by:

Nacy

Aporoved by General manager:

David

Date: May 15, 2023

Date: May 16, 2023

Date: May 16, 2023

