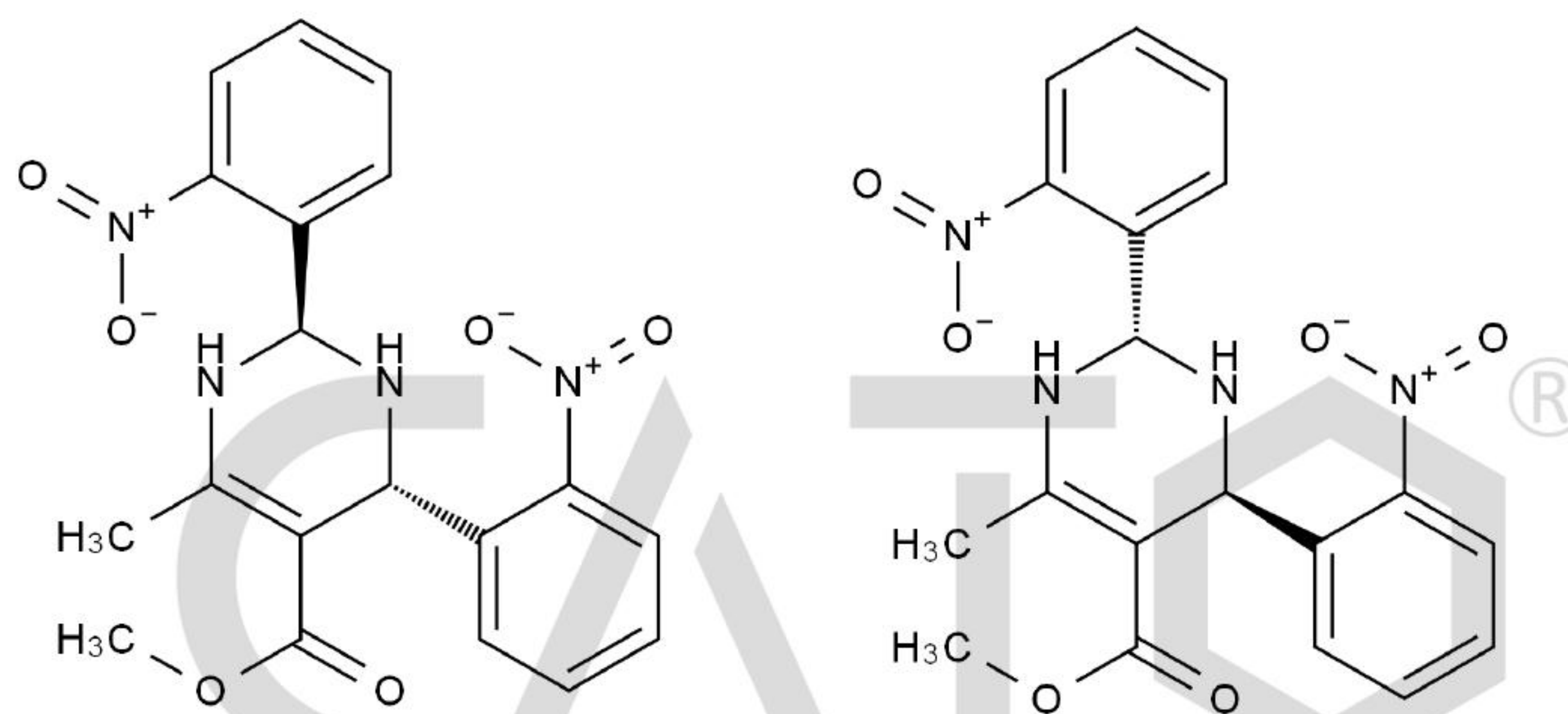


Certificate of Analysis

Reference Material & Standard

Product Name:	Nifedipine Impurity 21	Catalogue Number:	C4X-141021
Synonyms:	N/A	Lot Number:	0110-RD-0018
CAS Number:	80742-13-8	Expiry Date:	Dec 24, 2024
Molecular Formula:	2*C ₁₉ H ₁₈ N ₄ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	398.37 398.37	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.8568%
Water Content	Karl Fischer	0.1%
Residual Solvents	NMR	0.1% isopropanol and 0.4% tetrahydrofuran
Assay		98.3%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hinlam

Reviewed by:

Cady

Approved by General Manager:

David

Date: Jan 11, 2022

Date: Jan 12, 2022

Date: Jan 12, 2022

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: https://www.cato-chem.com