

Certificate of Analysis

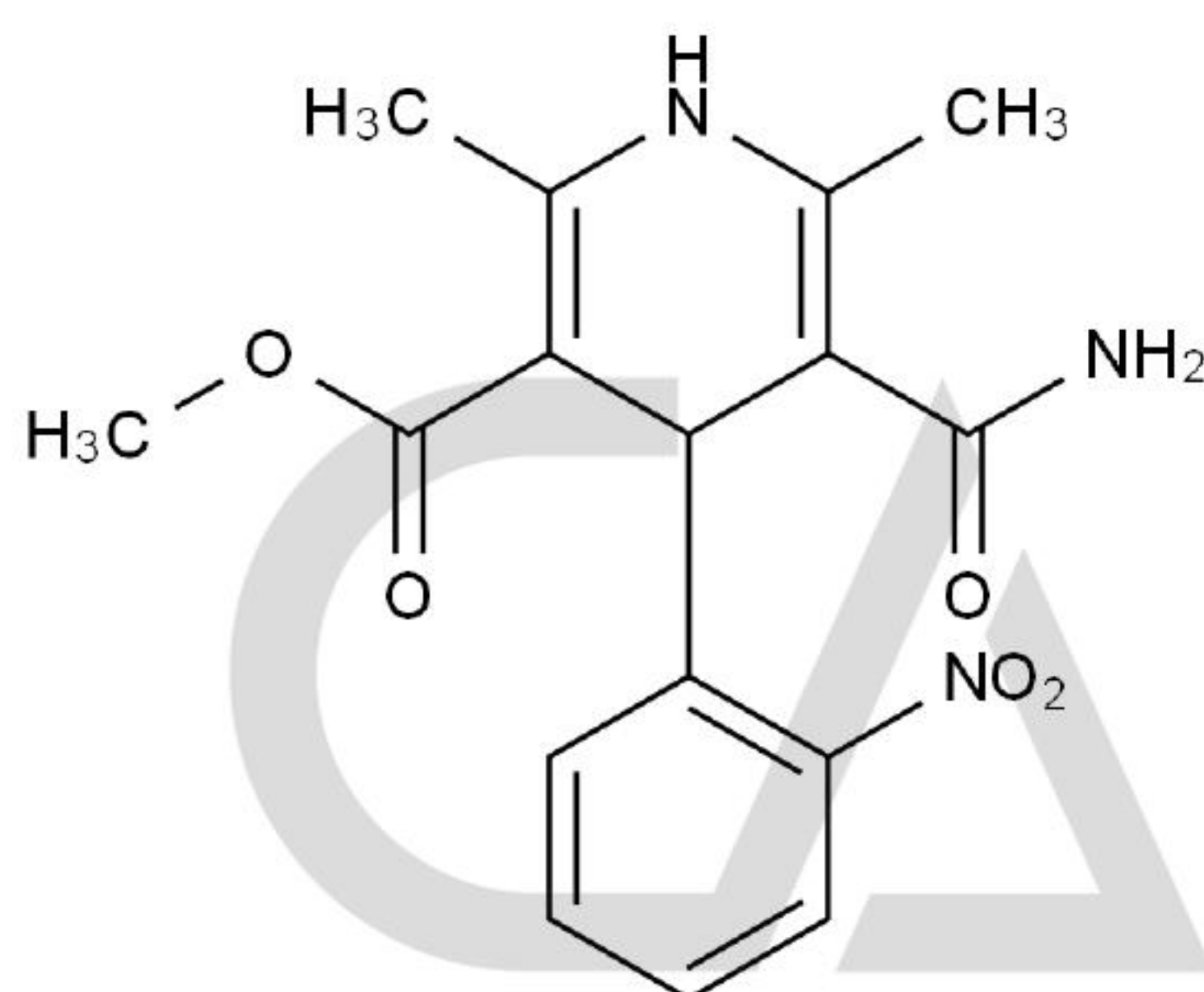
Reference Material & Standard

Product Name:	Nifedipine Impurity 10	Catalogue Number:	C4X-141010
Synonyms:	N/A	Lot Number:	0427-RH-0026
CAS Number:	114709-68-1	Expiry Date:	Apr 28, 2030
Molecular Formula:	C ₁₆ H ₁₇ N ₃ O ₅	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	331.32	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Dark Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.938%
Loss on Drying	TGA	0.6903%
Assay		98.3%

Comment:

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

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

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Apr 29, 2026

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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>

