

Certificate of Analysis

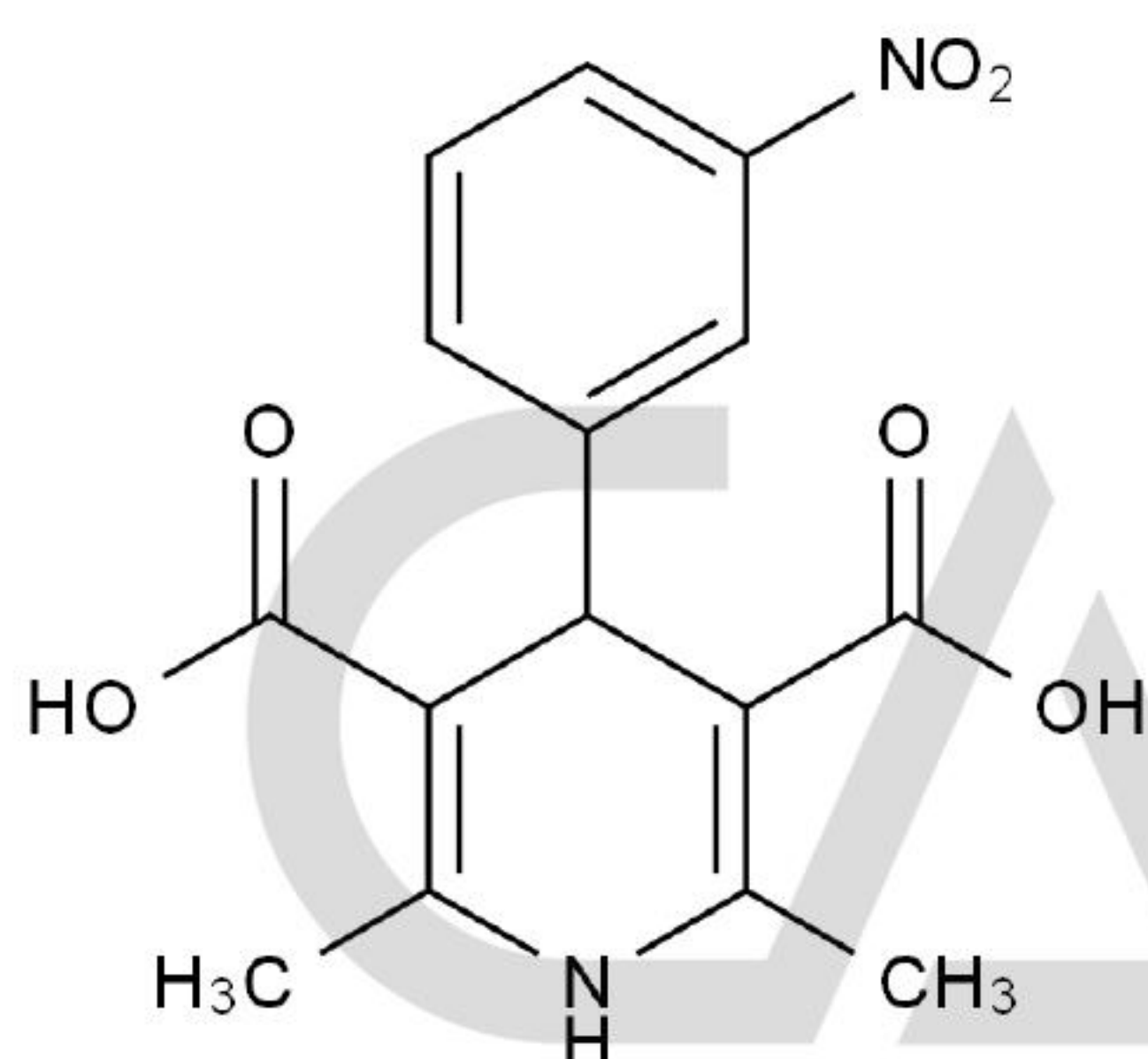
Reference Material & Standard

Product Name:	Benidipine Impurity 7	Catalogue Number:	C4X-11207
Synonyms:	Lercanidipine Impurity; Nimodipine Impurity; Nifedipine Impurity	Lot Number:	0411-RG-0005
CAS Number:	74936-81-5	Expiry Date:	Apr 23, 2030
Molecular Formula:	C ₁₅ H ₁₄ N ₂ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	318.28	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.059%
Loss on Drying	TGA	0.0462%
Assay		99.0%

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:

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Reviewed by:

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Approved by General Manager:

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Date: Apr 24, 2026

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