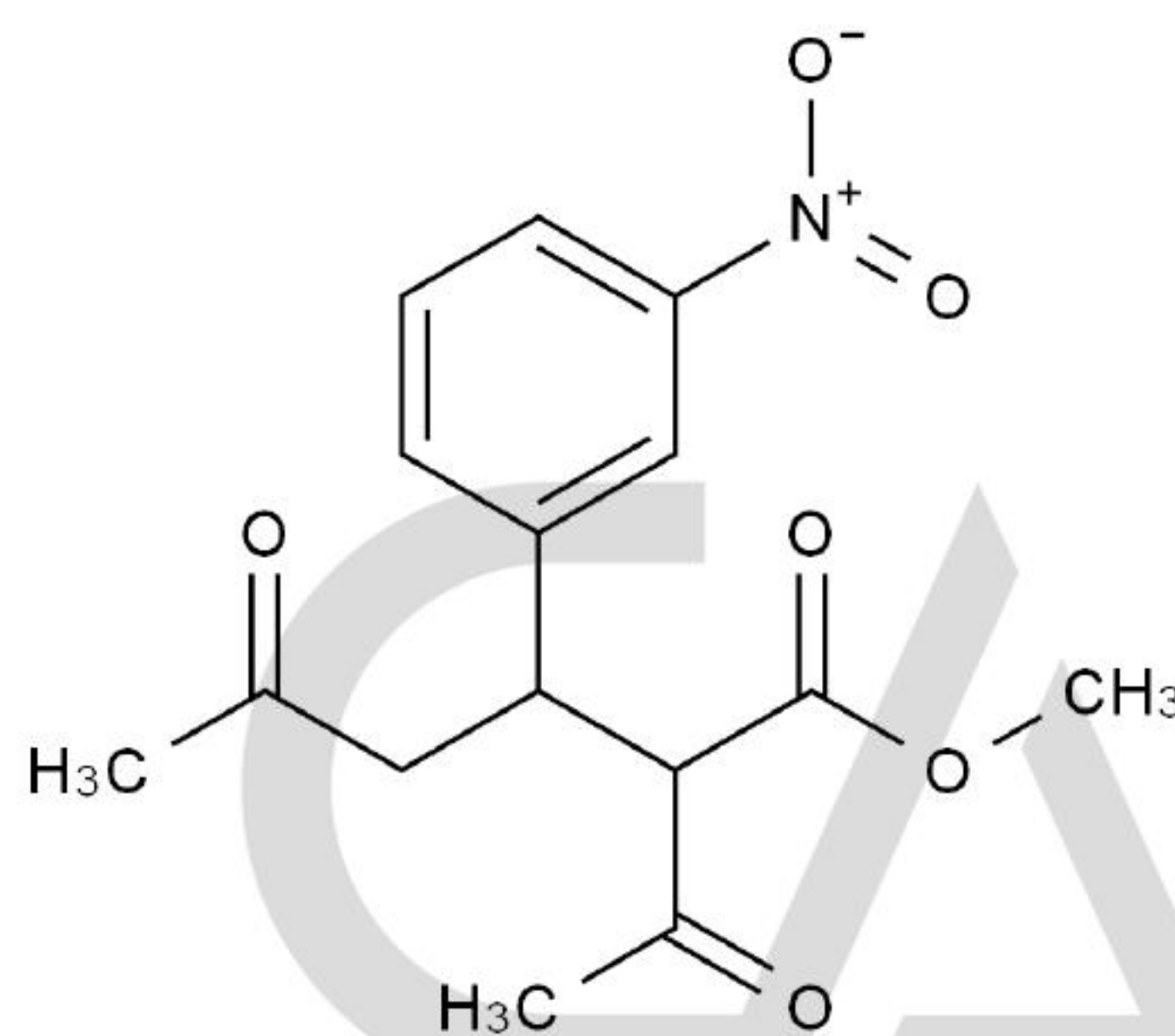


Certificate of Analysis

Reference Material & Standard

Product Name:	Nicardipine Impurity 5	Catalogue Number:	C4X-17105
Synonyms:	Methyl 2-acetyl-3-(3-nitrophenyl)-5-oxohexanoate	Lot Number:	0721-RH-0050
CAS Number:	2469555-30-2	Expiry Date:	Jul 27, 2030
Molecular Formula:	C ₁₅ H ₁₇ NO ₆	Storage:	2°C ~ 8°C sealed
Molecular Weight:	307.30	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and Chloroform		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.382%
Residue on Ignition	TGA	0.3210%
Loss on Drying	TGA	0.0244%
Assay	qNMR	99.1%
Assay	Mass Balance	99.0%

Comment:

- The retest date of this product is Jul 27, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Jul 28, 2026

Date: Jul 28, 2026

Date: Jul 28, 2026



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