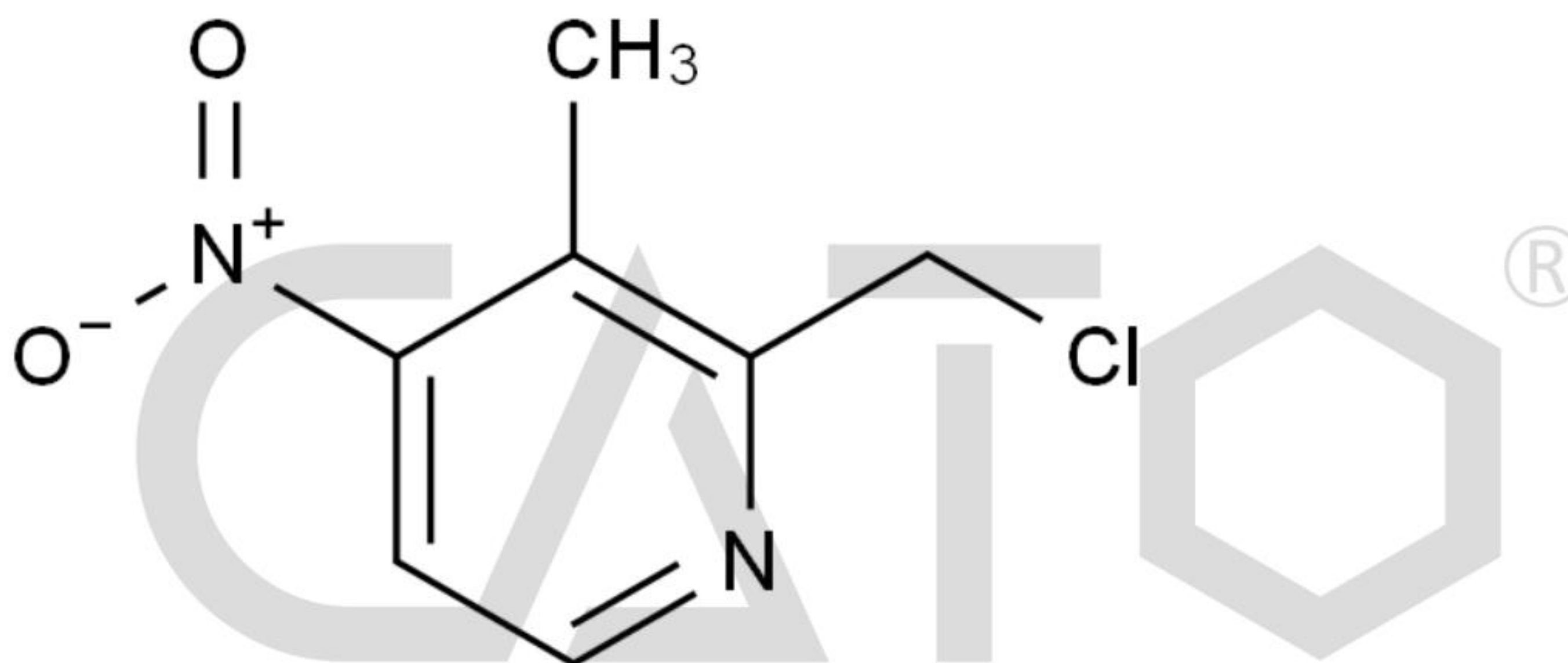


Certificate of Analysis

Reference Material & Standard

Product Name:	Lansoprazole Impurity 50	Catalogue Number:	C4X-111350
Synonyms:	2-(Chloromethyl)-3-methyl-4-nitropyridine	Lot Number:	1120-RG-0066
CAS Number:	116418-99-6	Expiry Date:	Nov 23, 2029
Molecular Formula:	C ₇ H ₇ ClN ₂ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	186.60	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Sticky Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.118%
Loss On Drying	TGA	0.3544%
Assay		98.8%

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: Nov 24, 2025

Date: Nov 24, 2025

Date: Nov 24, 2025



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