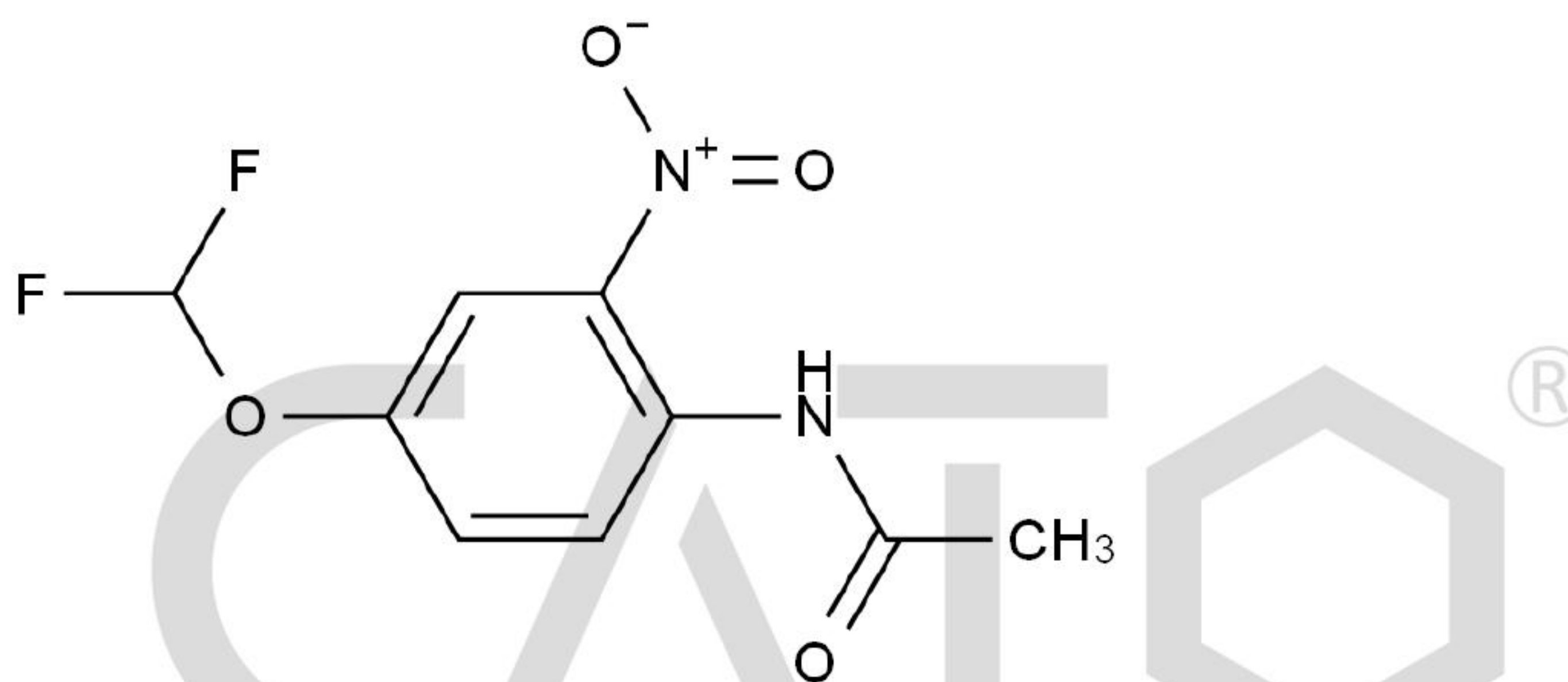


Certificate of Analysis

Reference Material & Standard

Product Name:	Pantoprazole Impurity 13	Catalogue Number:	C4X-139913
Synonyms:	N/A	Lot Number:	1201-RG-0102
CAS Number:	97963-75-2	Expiry Date:	Nov 30, 2029
Molecular Formula:	C ₉ H ₈ F ₂ N ₂ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	246.17	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.1717%
Assay		99.8%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 01, 2025

Date: Dec 01, 2025

Date: Dec 01, 2025



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