

Certificate of Analysis

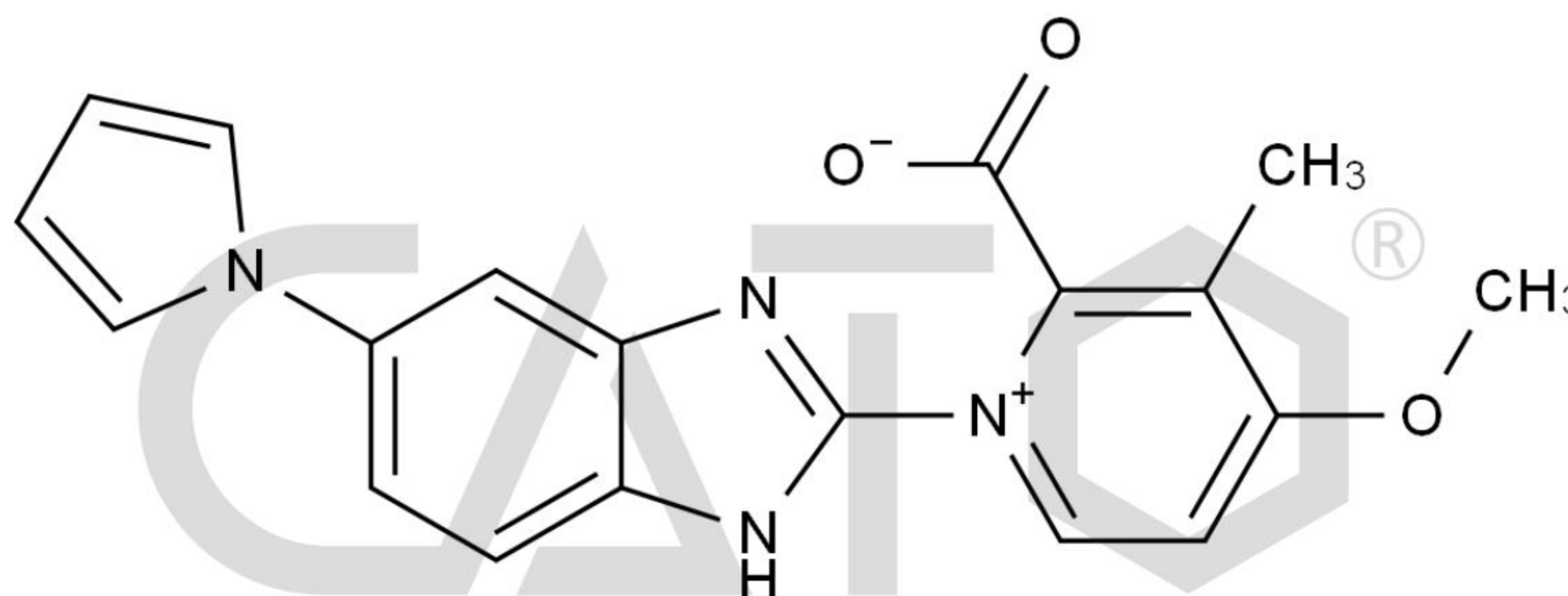
Reference Material & Standard

Product Name:	Ilaprazole Impurity 31	Catalogue Number:	C4X-113031
Synonyms:	N/A	Lot Number:	0420-RH-0064
CAS Number:	2285346-38-3	Expiry Date:	Apr 26, 2028
Molecular Formula:	C ₁₉ H ₁₆ N ₄ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	348.36	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.771%
Residue on Ignition	TGA	4.2811%
Loss on Drying	TGA	1.8338%
Assay		90.9%

Comment:

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

Assay (%) = (100% - Residue on Ignition - Loss on Drying) * 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:

Lisa

Approved by General Manager:

David

Date: Apr 27, 2026

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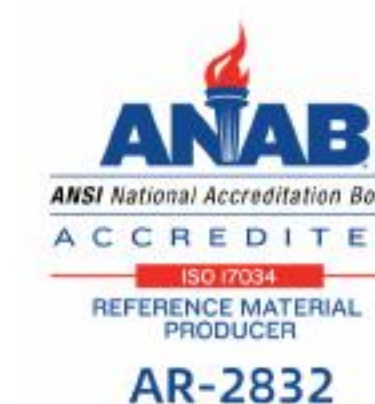
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