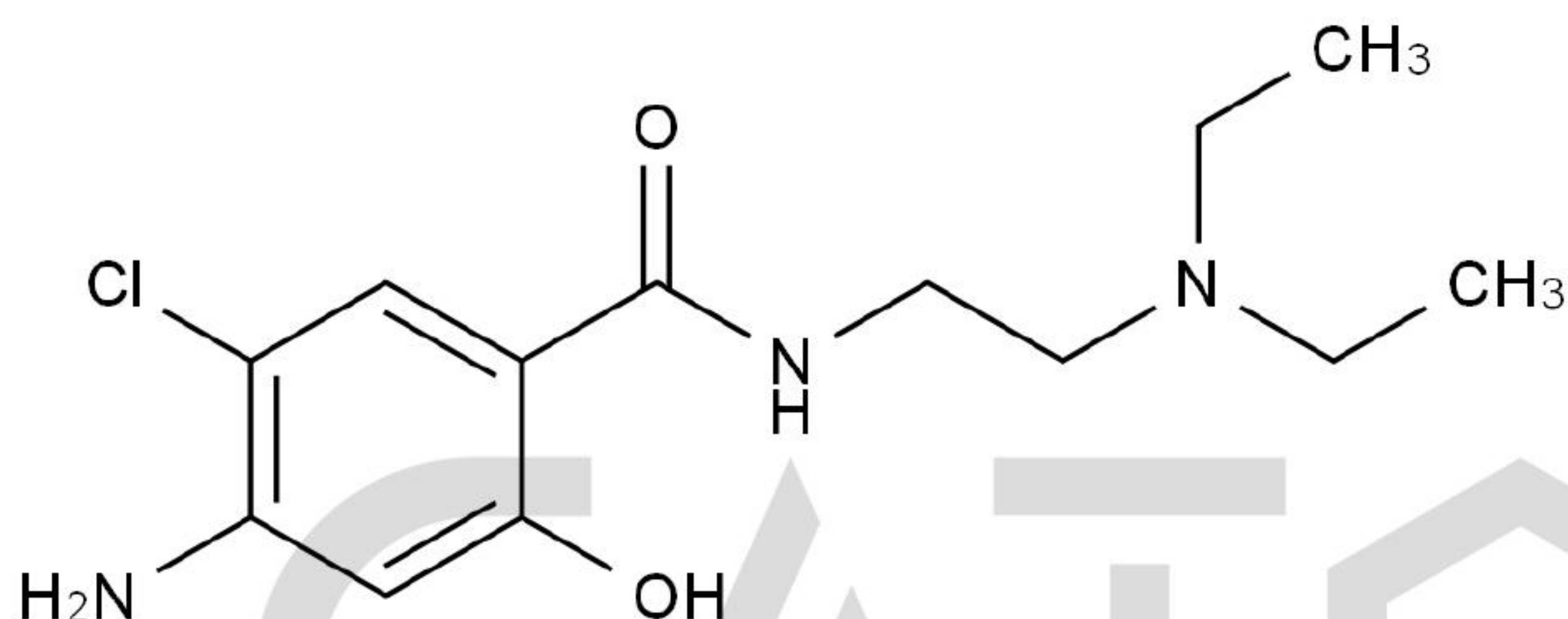


Certificate of Analysis

Reference Material & Standard

Product Name:	Metoclopramide EP Impurity F	Catalogue Number:	C4X-14156
Synonyms:	4-Amino-5-chloro-N-[2-(diethylamino)ethyl]-2-hydroxybenzamide	Lot Number:	0127-RH-0035
CAS Number:	38339-95-6	Expiry Date:	Feb 04, 2030
Molecular Formula:	C ₁₃ H ₂₀ ClN ₃ O ₂	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	285.77	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	98.484%
Residue on Ignition	TGA	0.1677%
Loss On Drying	TGA	5.8460%
Assay	qNMR	92.0%
Assay	Mass Balance	92.6%

Comment:

- The retest date of this product is Feb 04, 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:

Lisa

Approved by General Manager:

David

Date: Feb 05, 2026

Date: Feb 05, 2026

Date: Feb 05, 2026



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