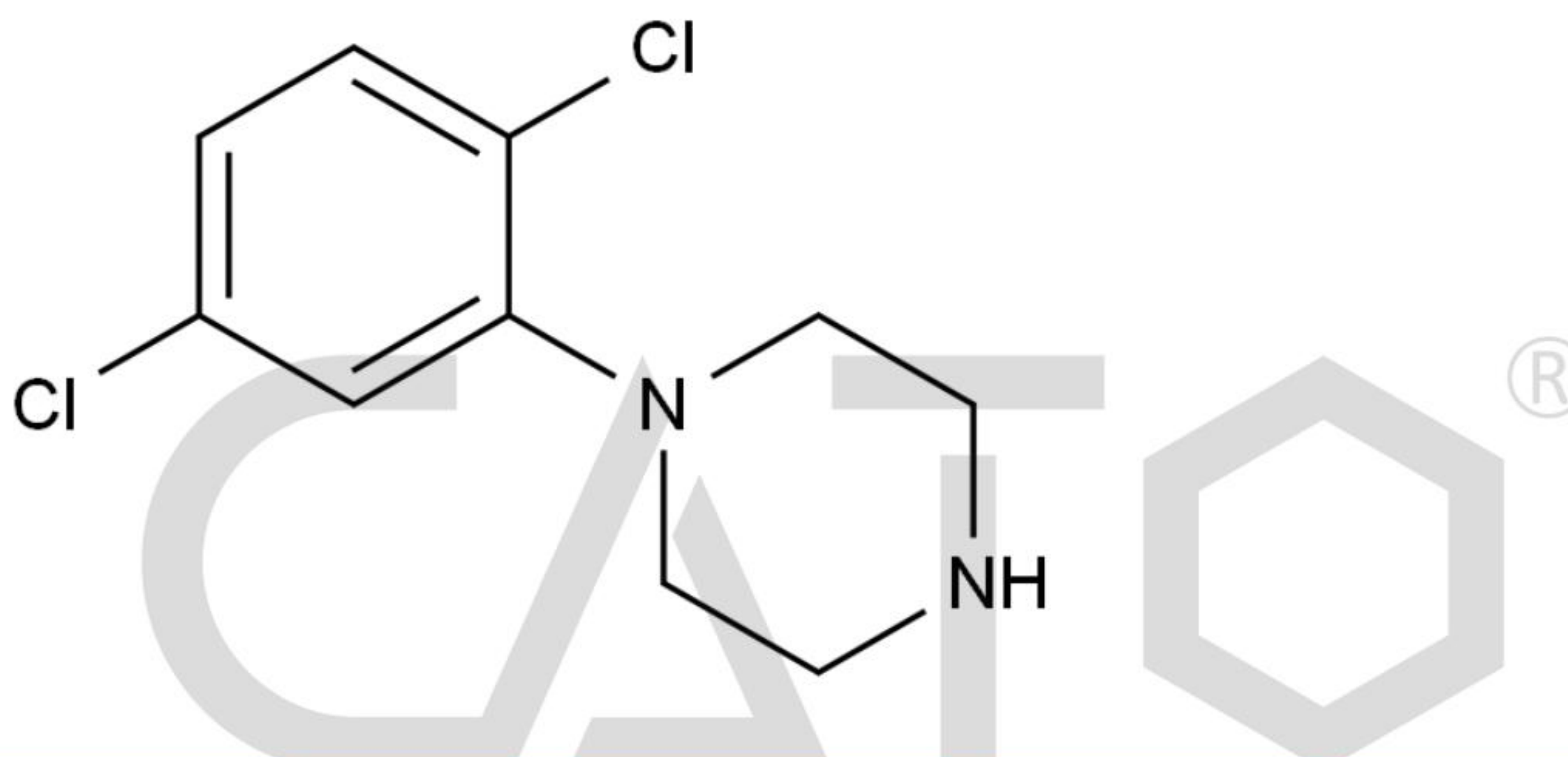


Certificate of Analysis

Reference Material & Standard

Product Name:	1-(2,5-Dichlorophenyl)piperazine	Catalogue Number:	C4X-100856
Synonyms:	N/A	Lot Number:	0413-RH-0014
CAS Number:	1013-27-0	Expiry Date:	Apr 09, 2030
Molecular Formula:	C ₁₀ H ₁₂ Cl ₂ N ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	231.12	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Oil
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.006%
Loss on Drying	TGA	0.2497%
Assay		97.8%

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:

Reviewed by:

Approved by General Manager:

Date: Apr 15, 2026

Date: Apr 15, 2026

Date: Apr 15, 2026



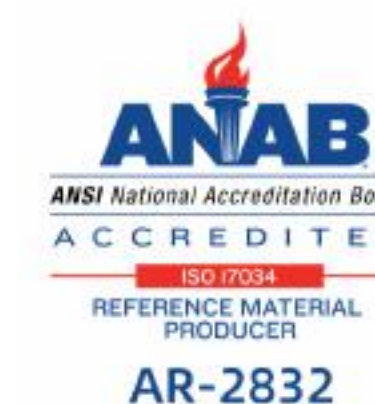
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