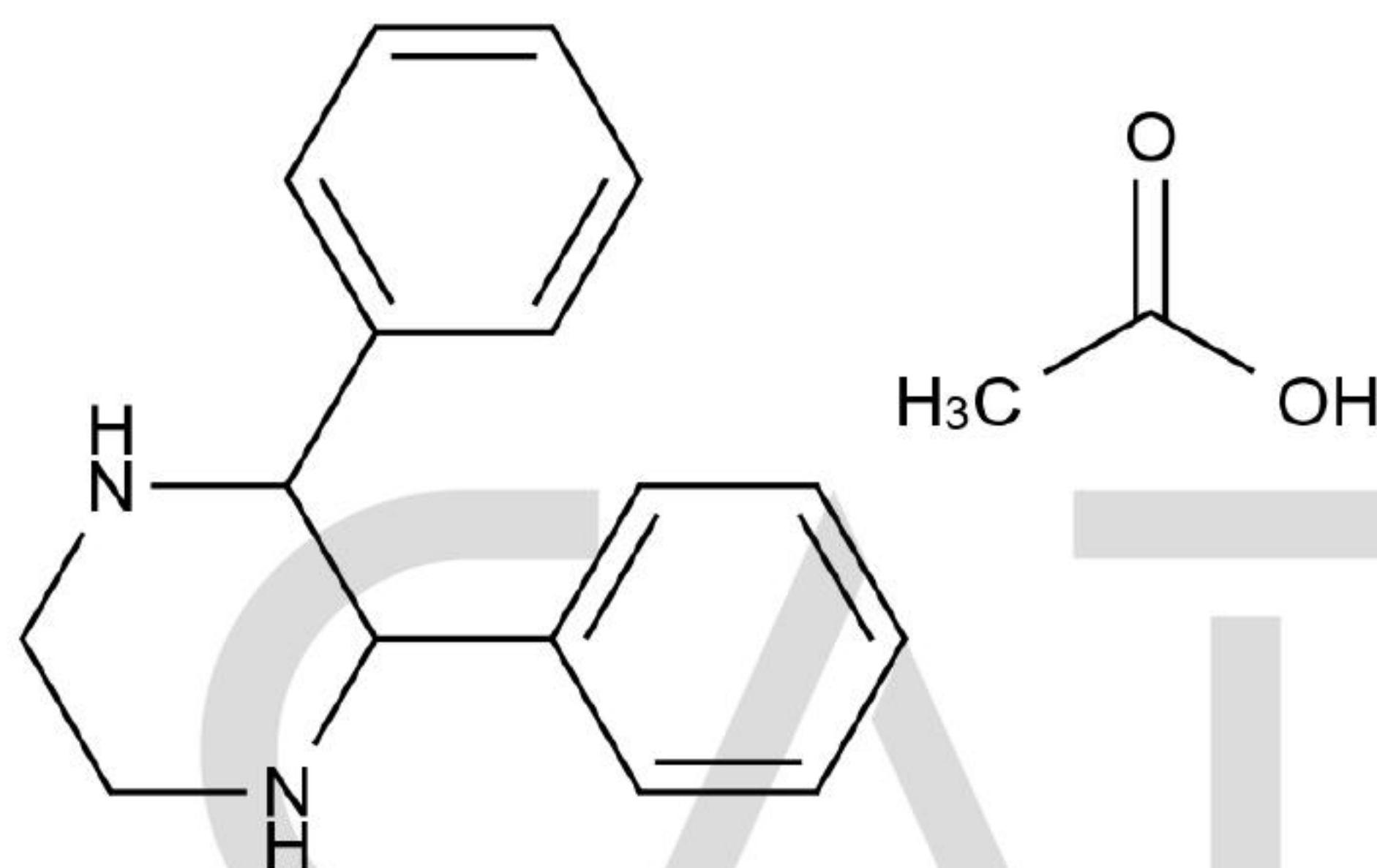


Certificate of Analysis

Reference Material & Standard

Product Name:	2,3-Diphenylpiperazine Acetate Salt	Catalogue Number:	C1300167
Synonyms:	N/A	Lot Number:	0903-RG-0020
CAS Number:	143699-24-5	Expiry Date:	Aug 31, 2029
Molecular Formula:	C ₁₆ H ₁₈ N ₂ C ₂ H ₄ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	238.33 60.05	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.837%
Loss On Drying	TGA	0.99%
Assay		95.9%

Comment:

The calculation of the 100% 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:

Lily

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 03, 2025

Date: Sep 03, 2025

Date: Sep 03, 2025

