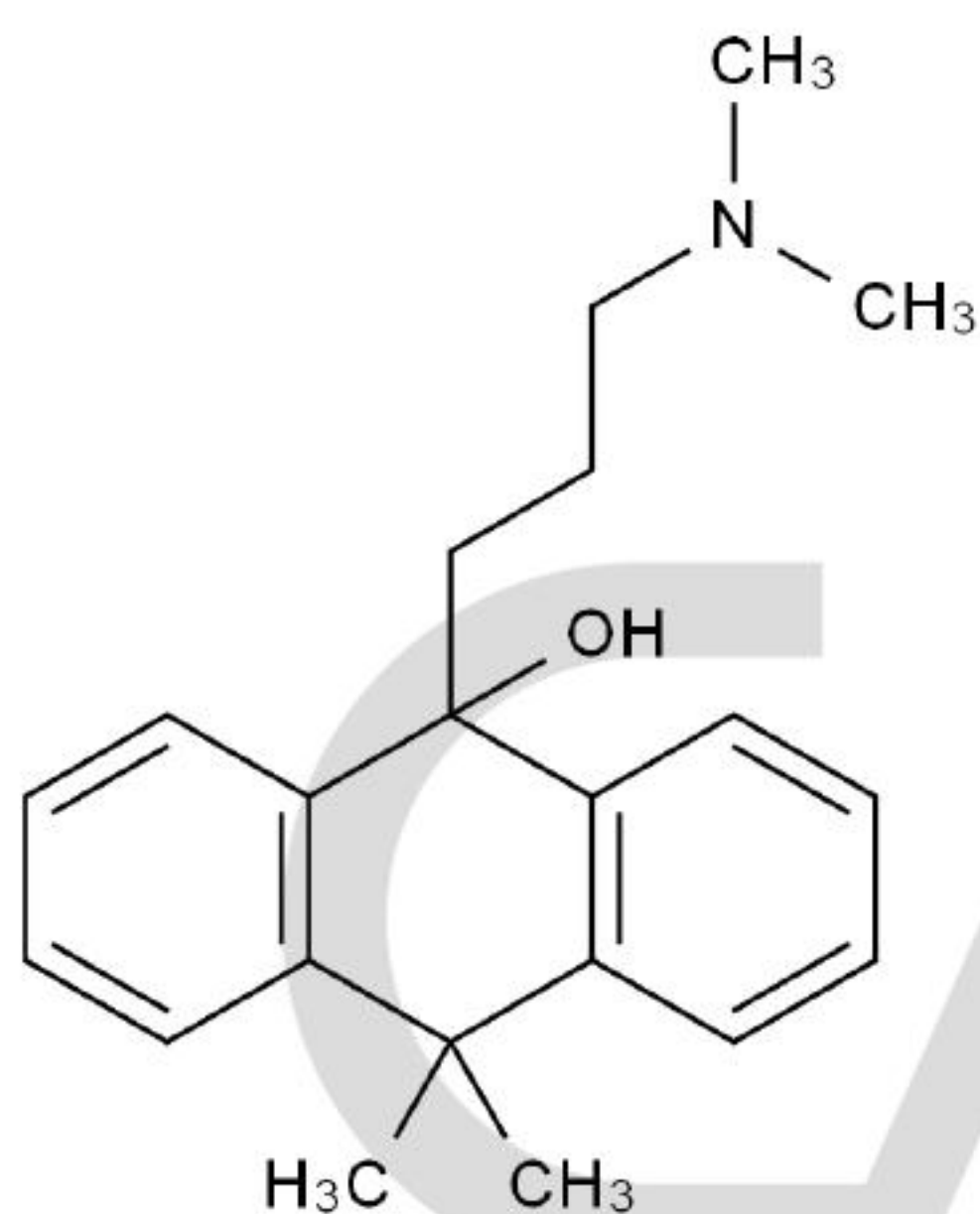


Certificate of Analysis

Reference Material & Standard

Product Name:	Melitracen Impurity 1	Catalogue Number:	C4X-12021
Synonyms:	N/A	Lot Number:	1215-RG-0035
CAS Number:	85118-29-2	Expiry Date:	Jul 20, 2029
Molecular Formula:	C ₂₁ H ₂₇ NO	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	309.45	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.818%
Loss On Drying	TGA	0.89%
Assay		98.9%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

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: Dec 16, 2025

Date: Dec 16, 2025

Date: Dec 16, 2025



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