

Certificate of Analysis

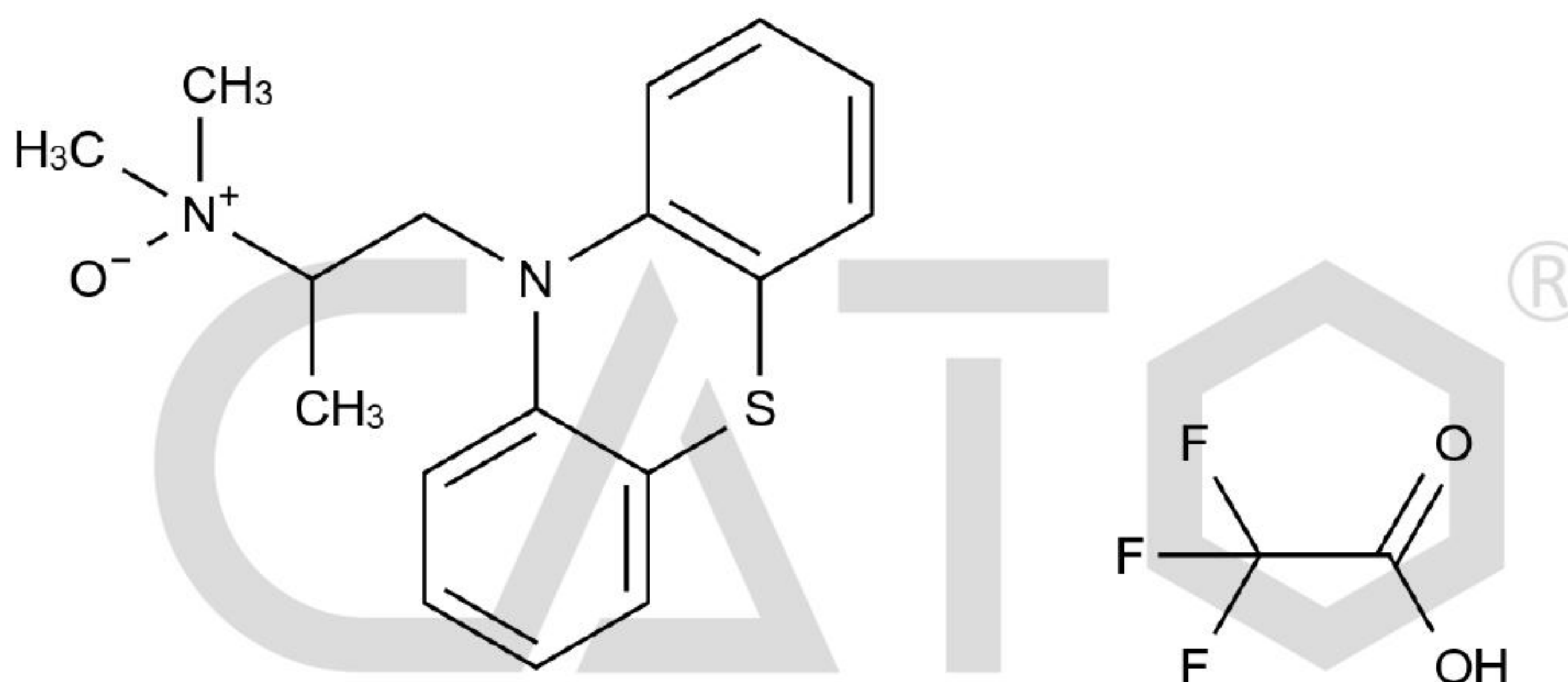
Reference Material & Standard

Product Name:	Promethazine Impurity 33	Catalogue Number:	C4X-141833
Synonyms:	N/A	Lot Number:	1015-RG-0036
CAS Number:	81480-39-9(free base)	Expiry Date:	Oct 13, 2029
Molecular Formula:	C ₁₇ H ₂₀ N ₂ OS C ₂ HF ₃ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	300.42 114.02		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Blue Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.3114%
Loss On Drying	TGA	0.253%
Assay		99.1%

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:

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Approved by General Manager:

David

Date: Oct 16, 2025

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