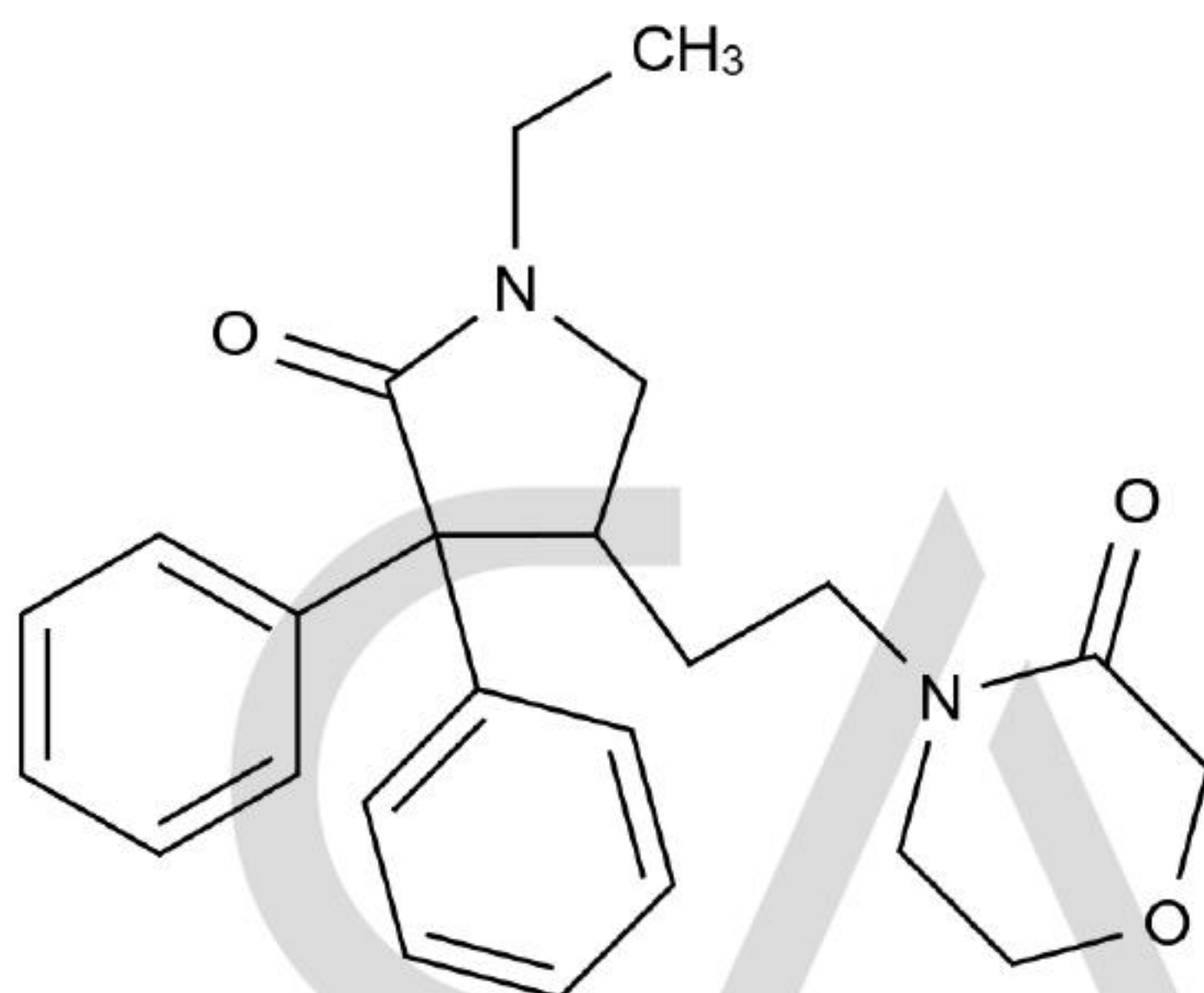


Certificate of Analysis

Reference Material & Standard

Product Name:	Doxapram Impurity 1 (2-Ketodoxapram)	Catalogue Number:	C4X-19732
Synonyms:	N/A	Lot Number:	1010-RF-0025
CAS Number:	42595-88-0	Expiry Date:	Sep 29, 2027
Molecular Formula:	C ₂₄ H ₂₈ N ₂ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	392.49	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.7427%
Loss On Drying	TGA	1.142%
Assay		97.6%

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:

Hinlam

Approved by General Manager:

David

Date: Oct 10, 2024

Date: Oct 11, 2024

Date: Oct 11, 2024

