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## CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2025

Re-test Date: Aug 2028

**Product Name: N-Nitroso (Z)-Desmethyl Doxepin**

### Identification:

Chemical Name: (Z)-N-(3-(dibenzo[b,e]oxepin-11(6H)-ylidene)propyl)-N-methylnitrous amide

Synonyms : N-Nitroso N-Desmethyl Doxepin  
EP impurity D ; N-Nitroso  
Doxepin EP Impurity C(Z isomer)  
; N-Nitroso Desmethyl Cidoxepin

CAS Number : NA

CAT Number : CP-D58020

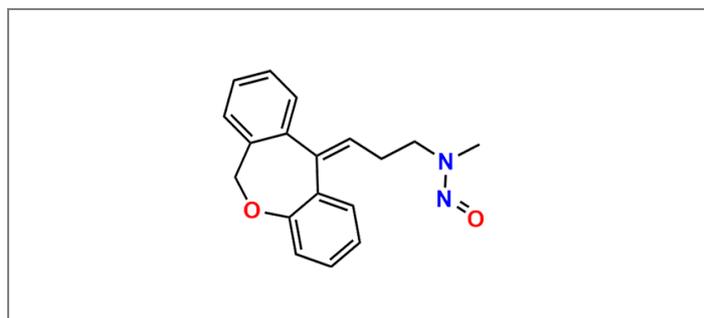
Molecular Formula : C<sub>18</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>

Molecular Weight : 294.35

Batch Number : CP-DOX-NDM-0925

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Light Brown Solid
2)	Solubility	Soluble in Methanol/CDCl <sub>3</sub>
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	Isomer 1-67.09% +Isomer 2-29.39% = Total Purity=96.48%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.