

CERTIFICATE OF ANALYSIS

(Certificate No. KMD001001-01)

Release Date: 26/08/2023

Re-test Date: 25/08/2026

Dextromethorphan N-Oxide

Identification

Chemical Name :
(9 α ,13 α ,14 α)- 3-Methoxy-17-methylmorphinan 17-oxide

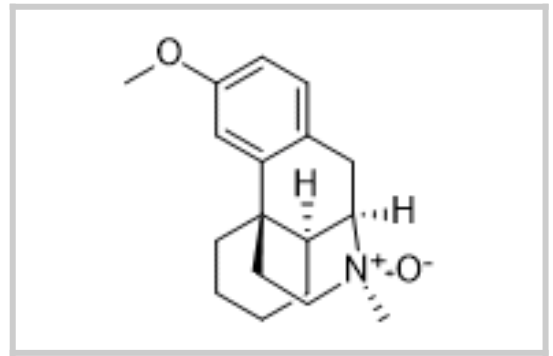
Alt. Name : Dextromethorphan N-Oxide Impurity

CAT No. : KMD001001

CAS No. : 1177494-18-6 (free base)

Molecular Formula : C₁₈H₂₅NO₂

Molecular Weight : 287.4



Analytical Information

Batch No. : DEX-N-OXIDE-011-065

Description : Light Yellow Thick Syrup

HPLC Purity : 95.78 % *

Weight Loss By TGA : 3.82 % *

% Potency : 92.12 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be shipped at room temperature

% Potency = [100 - 3.82(Weight Loss By TGA)] x [95.78(HPLC Purity)]/100 = 92.12 %

* Retested on 26/08/2023

-As per client request description changed on 02.02.2024

-chemical name corrected on 07.10.2024

Recommendation : Released

| | Department | Name | Signature | Date |
|-----------------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh patel | | 07/10/2024 |
| Reviewed & Approved By | Quality Control | Jatin patel | | 07/10/2024 |

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA