

CERTIFICATE OF ANALYSIS

(Certificate No. KMD001001-01)

Release Date: 26/08/2023

Re-test Date: 25/08/2026

Dextromethorphan N-Oxide Impurity

Identification

Chemical Name :

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

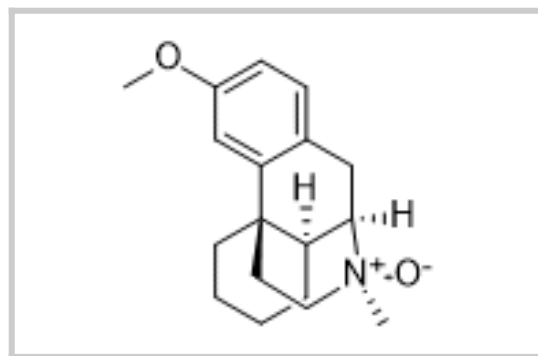
Alt. Name : Dextromethorphan N-Oxide Impurity

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

Solubility : Acetonitrile

Description : Off White Semi Solid

Mass : Confirm

HPLC Purity : 95.78 %

IR : Confirm

Weight Loss By TGA : 3.82 %

¹H NMR : Confirm

% Potency : 92.12 %

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

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh patel		12/05/2025
Reviewed & Approved By	Quality Control	Jatin patel		12/05/2025

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