CERTIFICATE OF ANALYSIS

(Certificate No. KMD001001-01)

Release Date: 31/07/2026 **Re-test Date:** 30/07/2029

Dextromethorphan N-Oxide

Identification

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

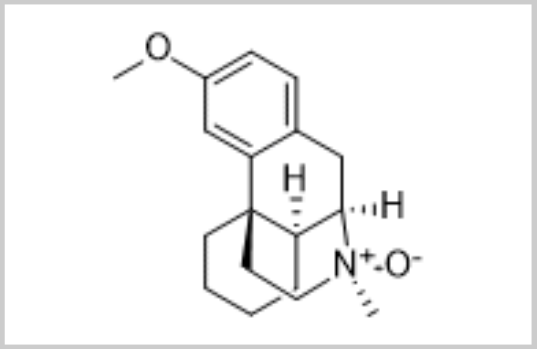
Alt. Name : Dextromethorphan N-Oxide Impurity

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 : Off White Semi Solid

HPLC Purity : 92.07 %

Weight Loss By TGA : 3.98 %

% Potency : 88.41 %

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 - 3.98(Weight Loss By TGA)] x [92.07(HPLC Purity)]/100 = 88.41 %
-Retested on 31.07.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh patel		31/07/2026
Reviewed & Approved By	Quality Control	Jatin patel		31/07/2026

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