

CERTIFICATE OF ANALYSIS

(Certificate No. KMT010003-02)

Release Date: 02/03/2026

Re-test Date: 01/03/2029

N-NITROSO N-DESMETHYL TRAMADOL

Identification

Chemical Name :

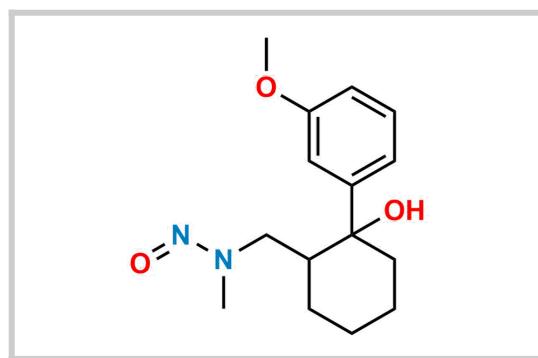
N-((2-Hydroxy-2-(3-methoxyphenyl)cyclohexyl)methyl)-N-methylnitrous amide (Mixture of E/z Isomer)

CAT No. : KMT010003

CAS No. : Not Available

Molecular Formula : C₁₅H₂₂N₂O₃

Molecular Weight : 278.4



Analytical Information

Batch No. : T010003-114-185

Description : Light Yellow Thick Syrup

HPLC Purity : 99.86 %

Weight Loss By TGA : 2.06 %

% Potency : 97.8 %

Solubility : ACN

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 - 2.06(Weight Loss By TGA)] x [99.86(HPLC Purity)]/100 = 97.8 %
-Mixture of isomer

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		17/03/2026
Reviewed & Approved By	Quality Control	Jatin Patel		17/03/2026

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