

CERTIFICATE OF ANALYSIS

(Certificate No. KMT003005-01)

Release Date: 16/09/2023

Re-test Date: 15/09/2026

Temazepam EP Impurity D

Identification

Chemical Name :

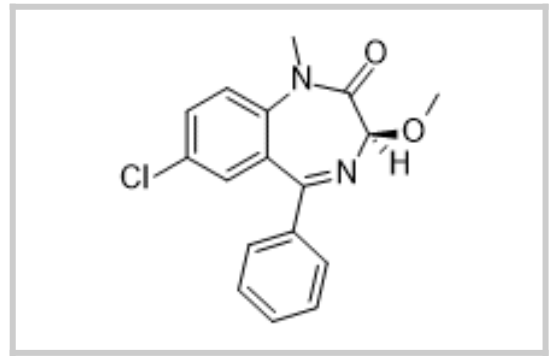
(3RS)-7-chloro-3-methoxy-1-methyl-5-phenyl-1,3-dihydro-2H-1,4-benzodiazepin-2-one

CAT No. : KMT003005

CAS No. : 17191-70-7

Molecular Formula : C₁₇H₁₅ClN₂O₂

Molecular Weight : 314.77



Analytical Information

Batch No. : TEM-IMP-D-045-270

Description : Light Yellow Solid

HPLC Purity : 97.21 %

Weight Loss By TGA : 0.73 %

% Potency : 96.5 %

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 - 0.73(Weight Loss By TGA)] x [97.21(HPLC Purity)]/100 = 96.5 %

Remarks : COA Re-generated on 25.05.2024

Recommendation : Released

| | Department | Name | Signature | Date |
|-----------------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh Patel | | 25/05/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 25/05/2024 |

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA