CERTIFICATE OF ANALYSIS

(Certificate No. KMT003001-01)

Release Date: 14/09/2026 **Re-test Date:** 13/09/2029

Temazepam EP impurity E

Identification

Chemical Name :
7-chloro-1-methyl-2-oxo-5-phenyl-2,3-dihydro-1H-benzo[e][1,4]diazepine 4-oxide

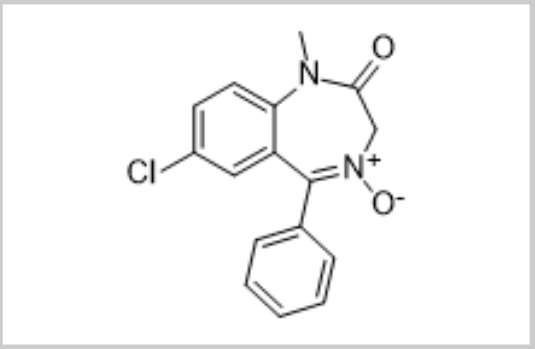
Alt. Name : Diazepam N-Oxide Impurity

CAT No. : KMT003001

CAS No. : 2888-64-4

Molecular Formula : C16H13ClN2O2

Molecular Weight : 300.74



Analytical Information

Batch No. : TEM-IMP-E-045-271

Description : Off White Solid

HPLC Purity : 97.96 %

Weight Loss By TGA : 1.36 %

% Potency : 96.63 %

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 - 1.36(Weight Loss By TGA)] x [97.96(HPLC Purity)]/100 = 96.63 %
-Re-tested on 14.09.2026

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		14/09/2026
Reviewed & Approved By	Quality Control	Jatin Patel		14/09/2026

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