

CERTIFICATE OF ANALYSIS

(Certificate No. KMC003006-01)

Release Date: 02/04/2024

Re-test Date: 01/04/2027

1-Acetyl-2-Imidazolidinone Nitroso Impurity

Identification

Chemical Name :

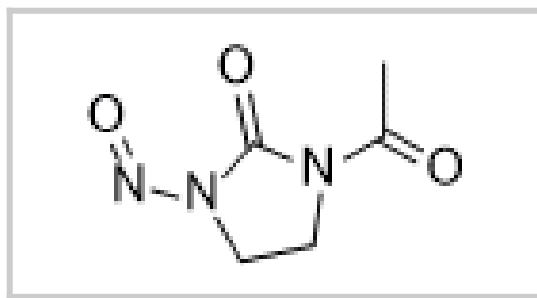
1-acetyl-3-nitrosoimidazolidin-2-one

CAT No. : KMC003006

CAS No. : Not Available

Molecular Formula : C₅H₇N₃O₃

Molecular Weight : 157.13



Analytical Information

Batch No. : CLO-NO-073-107

Solubility : ACN

Description : Light Yellow Hygroscopic Solid

Mass : Confirm

HPLC Purity : 99.66 %

IR : Confirm

Weight Loss By TGA : 0.20 %

¹H NMR : Confirm

% Potency : 99.46 %

¹³C 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 - 0.20(Weight Loss By TGA)] x [99.66(HPLC Purity)]/100 = 99.46 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/04/2024
Reviewed & Approved By	Quality Control	Jatin Patel		18/04/2024

Attachments : COA, HPLC, MASS, ¹HNMR, ¹³CNMR, IR and TGA