

# 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 :**

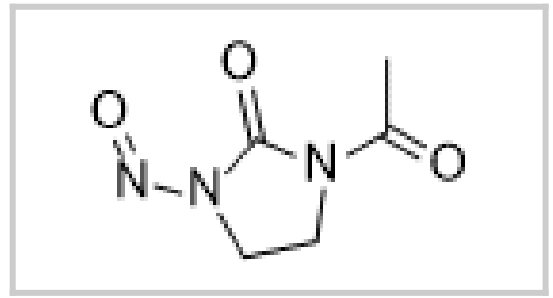
1-acetyl-3-nitrosoimidazolidin-2-one

**CAT No.** : KMC003006

**CAS No.** : Not Available

**Molecular Formula** : C<sub>5</sub>H<sub>7</sub>N<sub>3</sub>O<sub>3</sub>

**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 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 99.46 %

**<sup>13</sup>C 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
<b>Prepared By</b>	Analytical	Jignesh Patel		18/04/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		18/04/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA