

# **CERTIFICATE OF ANALYSIS**

(Certificate No. KMN009004-01)

**Release Date:** 05/02/2026

**Re-test Date:** 04/02/2029

## **Nifedipine Impurity B**

### **Identification**

#### **Chemical Name :**

Dimethyl 4-(2-nitrosophenyl)-2,6-dimethylpyridine-3,5-dicarboxylate ;

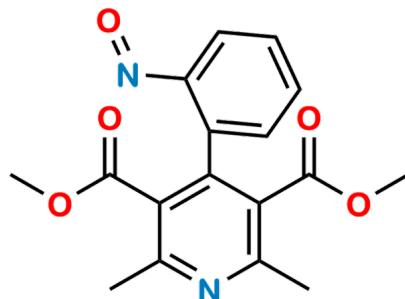
**Alt. Name** : Nifedipine Nitrosophenylpyridine analog (USP)

**CAT No.** : KMN009004

**CAS No.** : 50428-14-3

**Molecular Formula** : C17H16N2O5

**Molecular Weight** : 328.3



### **Analytical Information**

**Batch No.** : N009004-114-147

**Solubility** : Acetonitrile

**Description** : Green Solid

**Mass** : Confirm

**HPLC Purity** : 97.45 %

**IR** : Confirm

**Weight Loss By TGA** : 1.00 %

**1H NMR** : Confirm

**% Potency** : 96.48 %

### **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 - 1.00(Weight Loss By TGA)] x [97.45(HPLC Purity)]/100 = 96.48 %

**Recommendation** : Released

	<b>Department</b>	<b>Name</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared By</b>	Analytical	Jignesh Patel		05/02/2026
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		05/02/2026

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