

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 ;

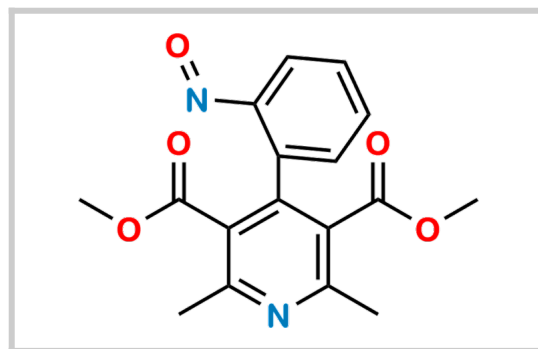
Alt. Name : Nifedipine Nitrosophenylpyridine analog (USP)

CAT No. : KMN009004

CAS No. : 50428-14-3

Molecular Formula : C₁₇H₁₆N₂O₅

Molecular Weight : 328.3



Analytical Information

Batch No. : N009004-114-147

Description : Green Solid

HPLC Purity : 97.45 %

Weight Loss By TGA : 1.00 %

% Potency : 96.48 %

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

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		05/02/2026
Reviewed & Approved By	Quality Control	Jatin Patel		05/02/2026

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