CERTIFICATE OF ANALYSIS

(Certificate No. KMN009004-01)

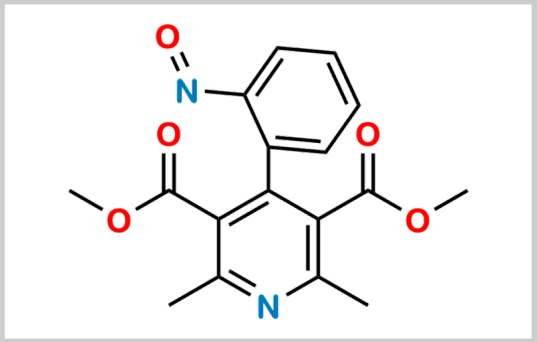
Release Date: 05/02/2026 **Re-test Date:** 04/02/2029

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

	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