CERTIFICATE OF ANALYSIS

(Certificate No. KMB037019-02)

Release Date: 28/07/2025 **Re-test Date:** 27/07/2028

Benazepril Nitroso Impurity

Identification

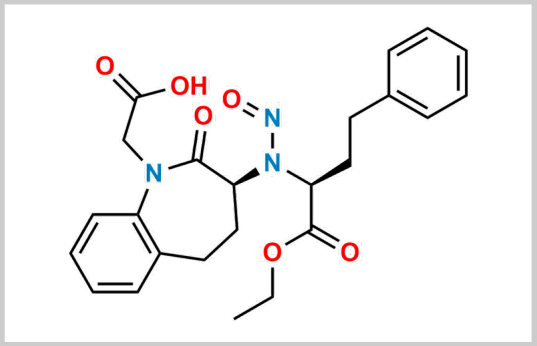
Chemical Name :
2-((S)-3-(((S)-1-Ethoxy-1-oxo-4-phenylbutan-2-yl)(nitroso)amino)-2-oxo-2,3,4,5-tetrahydro-1H-benzo[b]azepin-1-yl)acetic acid

CAT No. : KMB037019

CAS No. : Not Available

Molecular Formula : C24H27N3O6

Molecular Weight : 453.5



Analytical Information

Batch No.	: BEN-N-NO-030-214	**Solubility**	: Acetonitrile
Description	: Light Brown Solid	**Mass**	: Confirm
HPLC Purity	: 98.46 %	**IR**	: Confirm
Weight Loss By TGA	: 0.73 %	**1H NMR**	: Confirm
% Potency	: 97.74 %	**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 - 0.73(Weight Loss By TGA)] x [98.46(HPLC Purity)]/100 = 97.74 %
-Mixture Of Isomer
-Re-tested on 28.07.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		05/08/2025
Reviewed & Approved By	Quality Control	Jatin Patel		05/08/2025

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