CERTIFICATE OF ANALYSIS

(Certificate No. KMC005001-01)

Release Date: 02/06/2025 **Re-test Date:** 01/06/2028

Carvedilol Nitroso Impurity

Identification

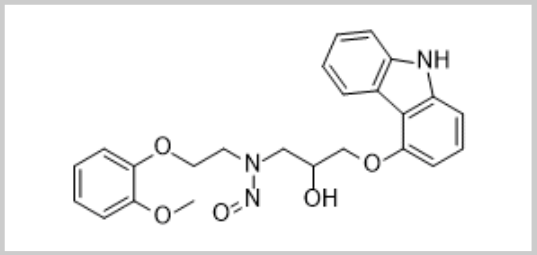
Chemical Name :
N-(3-((9H-carbazol-4-yl)oxy)-2-hydroxypropyl)-N-(2-(2-methoxyphenoxy)ethyl)nitrous amide

CAT No. : KMC005001

CAS No. : 2248746-67-8

Molecular Formula : C24H25N3O5

Molecular Weight : 435.47



Analytical Information

Batch No.	: CARV-N-NO-030-135	**Solubility**	: Acetonitrile
Description	: Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 99.08 %	**IR**	: Confirm
Weight Loss By TGA	: 0.76 %	**1H NMR**	: Confirm
% Potency	: 98.33 %	**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 - 0.76(Weight Loss By TGA)] x [99.08(HPLC Purity)]/100 = 98.33 %
-Re-tested on 02.06.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		02/06/2025
Reviewed & Approved By	Quality Control	Bhargav Kathiriya		02/06/2025

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