CERTIFICATE OF ANALYSIS

(Certificate No. KMP012073-01)

Release Date: 03/08/2022 **Re-test Date:** 02/08/2025

Pantoprazole N-Oxide Impurity

Identification

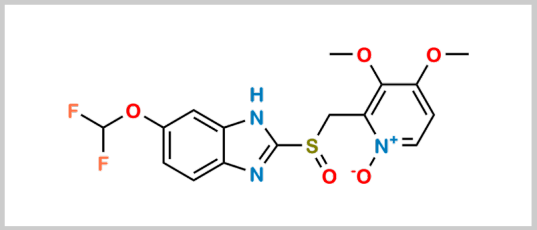
Chemical Name :
2-(((6-(Difluoromethoxy)-1H-benzo[d]imidazol-2-yl)sulfinyl)methyl)-3,4-dimethoxypyridine 1-oxide

CAT No. : KMP012073

CAS No. : 953787-60-5

Molecular Formula : C16H15F2N3O5S

Molecular Weight : 399.4



Analytical Information

Batch No.	: PEN-N-OXIDE-030-248	**Solubility**	: Acetonitrile
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 99.05 %	**IR**	: Confirm
Weight Loss By TGA	: 0.29 %	**1H NMR**	: Confirm
% Potency	: 98.76 %	**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 - 0.29(Weight Loss By TGA)] x [99.05(HPLC Purity)]/100 = 98.76 %
Remarks : COA Re-generated on 19.11.2024
-13CNMR added on 10.12.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		13/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		13/12/2024

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