CERTIFICATE OF ANALYSIS

(Certificate No. KMN002087-01)

Re-test Date: 24/10/2027

Release Date: 25/10/2024

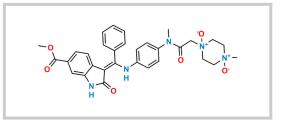
Nintedanib N,N-Dioxide

Identification

Chemical Name :

(Z)-1-(2-((4-(((6-(methoxycarbonyl)-2-oxoindolin-3-ylidene)(phenyl)methyl)amino)phenyl)(methyl)amino)-2-oxoethyl)-4-methylpiperazine 1,4-dioxide TFA salt

CAT No.	: KMN002087
CAS No.	: 2734676-68-5
Molecular Formula	: C31H33N5O6 ; CF3CO2H
Molecular Weight	: 571.6 ; 114.02



Analytical Information

Batch No.	: N002087-073-425	Solubility	: Water
Description	: Light Yellow Solid	Mass	: Confirm
HPLC Purity	: 99.10 %	IR	: Confirm
Weight Loss By TGA	: 2.62 %	1H NMR	: Confirm
% Potency	: 96.5 %		

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 - 2.62(Weight Loss By TGA)] x [99.10(HPLC Purity)]/100 = 96.5 %				
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Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		25/10/2024
Reviewed & Approved By	Quality Control	Jatin Patel		25/10/2024

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