

# CERTIFICATE OF ANALYSIS

(Certificate No. KMN002087-01)

Release Date: 25/10/2024

Re-test Date: 24/10/2027

## Nintedanib N,N-Dioxide

### Identification

**Chemical Name :**

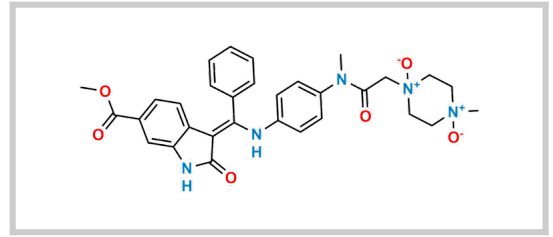
(Z)-1-(2-((4-(((6-(methoxycarbonyl)-2-oxoindolin-3-ylidene)(phenyl)methyl)amino)phenyl)(methyl)amino)-2-oxoethyl)-4-methylpiperazine 1,4-dioxide TFA salt

CAT No. : KMN002087

CAS No. : 2734676-68-5

Molecular Formula : C<sub>31</sub>H<sub>33</sub>N<sub>5</sub>O<sub>6</sub> ; CF<sub>3</sub>CO<sub>2</sub>H

Molecular Weight : 571.6 ; 114.02



### Analytical Information

Batch No. : N002087-073-425

Description : Light Yellow Solid

HPLC Purity : 99.10 %

Weight Loss By TGA : 2.62 %

% Potency : 96.5 %

Solubility : Water

Mass : Confirm

IR : Confirm

<sup>1</sup>H 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 - 2.62(Weight Loss By TGA)] x [99.10(HPLC Purity)]/100 = 96.5 %

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