

Nintedanib Esylate

CERTIFICATE OF ANALYSIS

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1. Identification

Product:

Structure:

Catalogue N478290 CAS Number: 656247-18-6

Synonym: (3Z)-2,3-Dihydro-3-[[[4-[methyl[(4-methyl-1-

piperazinyl)acetyl]amino]phenyl]amino]phenylmethylene]-

2-oxo-1H-Indole-6-carboxylic acid Methyl Ester

Monoethanesulfonate;

Molecular Formula:

C31H33N5O4•C2H6O3S

Molecular weight: 539.62 + 110.13 Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol

(Slightly)

Lot Purity: 97%

Shipping This Product Is Stable To Be Condition: Shipped At Room Temperature Storage Condition: -20°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance Light Yellow to Yellow Solid Light Yellow to Light Green Solid

NMR Conforms to Structure Conforms

Elemental Analysis Conforms %C: 59.83, %H: 6.16, %N: 10.58

HPLC Purity Report Result 100.00% (390 nm)

MS Conforms to Structure Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed ByReviewed ByC of A Approved ByTest DateRetest DateSwathi ReddyToni RantanenChanell Chu10/14/202210/12/2026

R. Letti Generalis