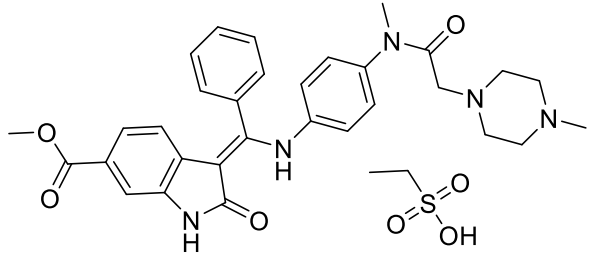




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
100944	Nintedanib Esylate	CRB61012

<b>Chemical name</b>	
Methyl (3Z)-3-(((4-(N-methyl-2-(4-methylpiperazin-1-yl)acetamido)phenyl)amino)(phenyl)methylidene)-2-oxo-2,3-dihydro-1H-indole-6-carboxylate ethanesulfonate	
<b>Synonyms</b>	
BIBF1120; BIBF 1120 BIBF-1120; Nintedanib esylate. Nintedanib ethanesulfonate salt; Intedanib; Brand name OFEV. Vargatef..	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Cat#: 100944 Name: Nintedanib esylate CAS#: 656247-18-6 (esylate) Lot#: CRB61012 Chemical Formula: C <sub>33</sub> H <sub>39</sub> N <sub>5</sub> O <sub>7</sub> S Molecular Weight: 649.76

Analysis item	Specifications / Results
<b>Appearance</b>	Neon yellow
<b>Structure</b>	<sup>1</sup> H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
<b>Purity (HPLC)</b>	>99.0%
<b>Solubility</b>	Soluble in DMSO.
<b>Conclusion</b>	This product conforms with MedKoo's quality standards
<b>Shipping condition</b>	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
<b>Storage condition</b>	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
<b>Shelf life</b>	At least 5 years if properly stored.

**CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE**