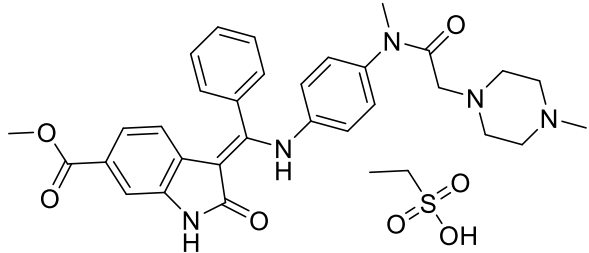




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
100944	Nintedanib Esylate	A20T10K26

Chemical name	
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	
Synonyms	
BIBF1120; BIBF 1120 BIBF-1120; Nintedanib esylate. Nintedanib ethanesulfonate salt; Intedanib; Brand name OFEV. Vargatef..	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100944 Name: Nintedanib esylate CAS#: 656247-18-6 (esylate) Lot#: A20T10K26 Chemical Formula: C ₃₃ H ₃₉ N ₅ O ₇ S Molecular Weight: 649.76

Analysis item	Specifications / Results
Appearance	Neon yellow
Structure	¹ 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.
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO.
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

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