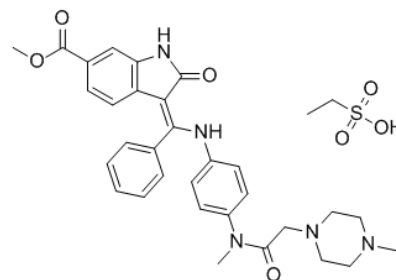


**Product Name** : Nintedanib esylate  
**Cat. No.** : PC-42813  
**CAS No.** : 656247-18-6  
**Molecular Formula** : C<sub>33</sub>H<sub>39</sub>N<sub>5</sub>O<sub>7</sub>S  
**Molecular Weight** : 649.7571  
**Target** : VEGFR  
**Solubility** : 10 mM in DMSO



## Biological Activity

Nintedanib esylate (BIBF1120 esylate) is a potent triple angiokinase (VEGFR/PDGFR/FGFR) inhibitor with IC<sub>50</sub> of 5/38/18/104/5 nM for VEGFR-2/FGFR-1/PDGFR $\alpha$ /VEGFR-1/VEGFR-3, respectively; inhibits MAPK and Akt signaling pathways, show inhibition of cell proliferation (EC<sub>50</sub>=10-80 nM); is fully efficacious in xenograft models and orally active.

Lung Cancer

Approved

## References

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Hilberg F, et al. Cancer Res. 2008 Jun 15;68(12):4774-82.

Kudo K, et al. Clin Cancer Res. 2011 Mar 15;17(6):1373-81.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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