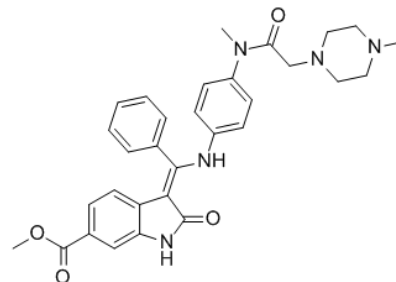


**Product Name** : Nintedanib  
**Cat. No.** : PC-45898  
**CAS No.** : 656247-17-5  
**Molecular Formula** : C<sub>31</sub>H<sub>33</sub>N<sub>5</sub>O<sub>4</sub>  
**Molecular Weight** : 539.6248  
**Target** : VEGFR  
**Solubility** : 10 mM in DMSO



## Biological Activity

Nintedanib (BIBF-1120) 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.

Nintedanib (BIBF-1120) inhibits MAPK and Akt signaling pathways, show inhibition of cell proliferation (EC<sub>50</sub>=10-80 nM).

Nintedanib (BIBF-1120) is fully efficacious in xenograft models and orally active.

## 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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