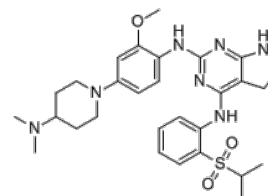


**Product Name** : Ficonalkib  
**Cat. No.** : PC-20033  
**CAS No.** : 2233574-95-1  
**Molecular Formula** : C<sub>29</sub>H<sub>39</sub>N<sub>7</sub>O<sub>3</sub>S  
**Molecular Weight** : 565.74  
**Target** : Anaplastic Lymphoma Kinase (ALK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Ficonalkib (SY-3505) is a potent, selective, 3rd-generation anaplastic lymphoma kinase (**ALK**) inhibitor with IC<sub>50</sub> of 1.3 nM and 1.5 nM for WT ALK, and F1174L mutant.

Ficonalkib (SY-3505) exhibits potent inhibition against both wild-type ALK and a diverse spectrum of mutants resistant to 1st- and 2nd-gen ALK TKI, including L1196M, G1202R, F1174L, G1269S, and R1275Q (IC<sub>50</sub>s=0.8-2.7 nM).

Ficonalkib (SY-3505) exhibits high kinase selectivity and has very weak inhibition on tropomyosin receptor kinase (TRK) family members (TRKA-C).

## References

Patent WO2018127184 A1.

2. Yuankai Shi, et al. *J Thorac Oncol.* 2024 Jun;19(6):898-911.

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

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