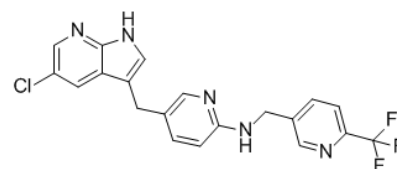


**Product Name** : Pexidartinib  
**Cat. No.** : PC-45069  
**CAS No.** : 1029044-16-3  
**Molecular Formula** : C<sub>20</sub>H<sub>15</sub>ClF<sub>3</sub>N<sub>5</sub>  
**Molecular Weight** : 417.8148  
**Target** : c-Fms (CSF1R)  
**Solubility** : DMSO: ≥ 30 mg/mL



## Biological Activity

Pexidartinib (PLX3397) is an oral-active, BBB-penetrant, potent **mutit-targeted RTK** inhibitor of **CSF-1R**, Kit, and Flt3 with IC<sub>50</sub> of 20 nM, 10 nM and 160 nM, respectively.

Pexidartinib (PLX3397) inhibits the CSF1-dependent proliferation with IC<sub>50</sub> of 0.44 μM, 0.22 μM and 0.1 μM in M-NFS-60, Bac1.2F5 and M-07e cells, respectively.

Pexidartinib (PLX3397) significantly inhibits PTX-induced tumor infiltration in mice.

## References

DeNardo DG, et al. *Cancer Discov.* 2011 Jun;1(1):54-67.

Coniglio SJ, et al. *Mol Med.* 2012 May 9;18:519-27.

Chitu V, et al. *Blood.* 2012 Oct 11;120(15):3126-35.

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

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