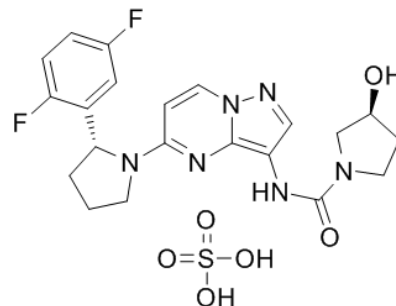


**Product Name** : LOXO-101 sulfate  
**Cat. No.** : PC-43266  
**CAS No.** : 1223405-08-0  
**Molecular Formula** : C<sub>21</sub>H<sub>24</sub>F<sub>2</sub>N<sub>6</sub>O<sub>6</sub>S  
**Molecular Weight** : 526.5137  
**Target** : Trk Receptor  
**Solubility** : DMSO



## Biological Activity

LOXO-101 (ARRY-470, Larotrectinib) is potent, selective pan-TRK inhibitor with cellular IC<sub>50</sub> of 2-20 nM against TRKA, TRKB, and TRKC kinases; demonstrates excellent selectivity against a panel of 226 non-TRK kinases with one exception (TNK2 IC<sub>50</sub>=576 nM); inhibits fusion oncoprotein and cellular proliferation in TRK-fusion-bearing human-derived cancer cell lines; markedly attenuates bone cancer pain and significantly blocks the ectopic sprouting of sensory nerve fibers and the formation of neuroma-like structures in the tumor bearing bone; inhibits tumor growth in vivo in TRK fusion-positive cancer models.

Blood Cancer

Phase 2 Clinical

## References

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Drilon A, et al. *N Engl J Med.* 2018 Feb 22;378(8):731-739.

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

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