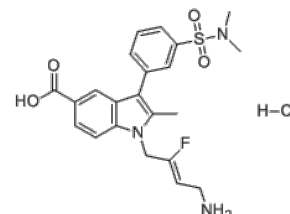


**Product Name** : PXS-5120A  
**Cat. No.** : PC-38097  
**CAS No.** : 2125955-70-4  
**Molecular Formula** : C<sub>22</sub>H<sub>25</sub>ClFN<sub>3</sub>O<sub>4</sub>S  
**Molecular Weight** : 481.967  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

PXS-5120A is a potent, selective, irreversible inhibitor of Lysyl oxidase-like 2 (**LOXL2**) with IC<sub>50</sub> of 5 and 6 nM (hLOXL2 and mLOXL2).

PXS-5120A is >300-fold selective for LOXL2 over LOX (pIC<sub>50</sub>=5.8), shows negligible substrate activity in vitro for related amine oxidase family members.

PXS-5120A also shows potent inhibition of LOXL3 (IC<sub>50</sub>=16 nM).

PXS-5120A inhibits the crosslinking of rat collagen in vitro with IC<sub>50</sub> of 13 nM.

## References

Findlay AD, et al. *J Med Chem*. 2019 Nov 14;62(21):9874-9889.

Setargew YFI, et al. *Cancers (Basel)*. 2021 Jan 27;13(3):491.

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

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