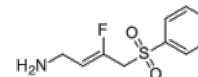


**Product Name** : PXS-4787  
**Cat. No.** : PC-49359  
**CAS No.** : 2409963-50-2  
**Molecular Formula** : C<sub>10</sub>H<sub>12</sub>FNO<sub>2</sub>S  
**Molecular Weight** : 229.269  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



1. Chaudhari N, et al. *Nat Commun.* 2022 Sep 22;13(1):5555.

## Biological Activity

PXS-4748 (PXS4748) is a potent, selective and irreversible pan-lysyl oxidase (**pan-LOX**) inhibitor with IC<sub>50</sub> of 2.0 uM and 3.2/0.6/1.4/0.2 uM for bovine (aorta) LOX and rh LOXL1/2/3/4, respectively.

PXS-4787 dose-dependently inhibits lysyl oxidases with IC<sub>50</sub> values ranging from 0.2 μM (LOXL4) to 3 μM (LOXL1) and displays comparable inhibitory activity across species.

PXS-4787 selectivity targets lysyl oxidases and is neither an inhibitor of, nor a substrate for, related oxidases.

PXS-4787 (0-10 uM) reduces collagen formation, deposition and crosslinking in primary human dermal fibroblasts cultured in vitro.

PXS-4748 effectively target extracellular LOX without impacting on skin cell phenotype or leading to a compensatory response.

## References

