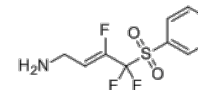


**Product Name** : PXS-6302  
**Cat. No.** : PC-49358  
**CAS No.** : 2584947-54-4  
**Molecular Formula** : C<sub>10</sub>H<sub>10</sub>F<sub>3</sub>NO<sub>2</sub>S  
**Molecular Weight** : 265.250  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

PXS-6302 (PXS6302) is a potent, irreversible pan-lysyl oxidase (**pan-LOX**) inhibitor with IC<sub>50</sub> of 3.7 uM and 3.4/0.4/1.5/0.3 uM for bovine (aorta) LOX and rh LOXL1/2/3/4, respectively.

PXS-6302 is a more selective inhibitor than β-aminopropionitrile (BAPN) and is also optimally designed for topical application.

Topical application of PXS-6302 (1.5% PXS-6302 oil in water cream) reduces skin fibrosis in repeat dose bleomycin-induced skin fibrosis in mice.

Topical application of PXS-6302 (1.5% PXS-6302 oil in water cream) reduces collagen deposition and crosslinking in a murine model of excision injury.

Topical application of PXS-6302 (3% PXS-6302 oil in water cream) improves scar appearance with no reduction in tissue strength in porcine models of excision and burn injury.

## References

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

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

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