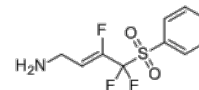


Product Name : PXS-6302
Cat. No. : PC-49358
CAS No. : 2584947-54-4
Molecular Formula : C₁₀H₁₀F₃NO₂S
Molecular Weight : 265.250
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

PXS-6302 (PXS6302) is a potent, irreversible pan-lysyl oxidase (**pan-LOX**) inhibitor with IC₅₀ 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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