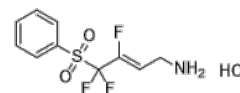


Product Name : PXS-6302 hydrochloride
Cat. No. : PC-24748
CAS No. : 2584947-79-3
Molecular Formula : C₁₀H₁₁ClF₃NO₂S
Molecular Weight : 301.71
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 2584947-79-3

Biological Activity

PXS-6302 hydrochloride (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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