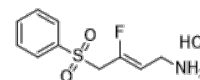


Product Name : PXS-4787 hydrochloride
Cat. No. : PC-24749
CAS No. : 2409964-40-3
Molecular Formula : C₁₀H₁₃ClFNO₂S
Molecular Weight : 265.73
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 2409964-40-3

Biological Activity

PXS-4748 hydrochloride (PXS4748) is a potent, selective and irreversible pan-lysyl oxidase (pan-LOX) inhibitor with IC₅₀ 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 IC₅₀ 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

Chaudhari N, 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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