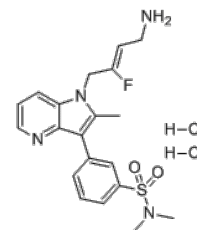


Product Name : PXS-5153A
Cat. No. : PC-35895
CAS No. : 2125956-82-1
Molecular Formula : C₂₀H₂₅Cl₂FN₄O₂S
Molecular Weight : 475.404
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

PXS-5153A (PXS5153A) is a potent, selective, fast-acting, dual **LOXL2/LOXL3** inhibitor with IC₅₀ of <40 nM against all mammalian species LOXL2, inhibits human LOXL3 with IC₅₀ of 63 nM.

PXS-5153A displays >40-fold selectivity for LOXL2 over both LOX and LOXL1 and >700-fold over other related amine oxidases.

PXS-5153A dose-dependently reduced LOXL2-mediated collagen oxidation and collagen crosslinking in vitro.

PXS-5153A reduced disease severity and improved liver function by diminishing collagen content and collagen crosslinks in carbon tetrachloride or streptozotocin/high fat diet-induced liver fibrosis models.

References

Schilter H, et al. *J Cell Mol Med.* 2018 Dec 9. doi: 10.1111/jcmm.14074.

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

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