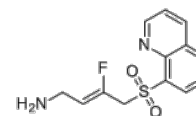


Product Name : PXS-5505
Cat. No. : PC-38774
CAS No. : 2409963-83-1
Molecular Formula : C₁₃H₁₃FN₂O₂S
Molecular Weight : 280.317
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Amsulostat (PXS-5505) is an orally available, small-molecule, irreversible inhibitor of all **lysyl oxidases** (pan-LOX) family members, with potential antifibrotic activity.

PXS-5505 inhibited lysyl oxidase activity in the skin and LOXL2 activity in the lung.

PXS-5505 exhibited anti-fibrotic effects in the SSc skin mouse model, reducing dermal thickness and α -smooth muscle actin.

PXS-5505 reduced pulmonary fibrosis toward normal levels in bleomycin-induced mouse lung models.

PXS-5505 also reduced fibrotic extent in models of the ischaemia-reperfusion heart, the unilateral ureteral obstruction kidney, and the CCl₄-induced fibrotic liver.

References

Yimin Yao, et al. *Int J Mol Sci*. 2022 May 16;23(10):5533.

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

E-mail: tech@probechem.com