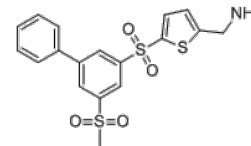


Product Name : CCT365623
Cat. No. : PC-61189
CAS No. : 2126134-01-6
Molecular Formula : C₁₈H₁₇NO₄S₃
Molecular Weight : 407.517
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

CCT365623 (CCT-365623) is a potent, orally active small molecule inhibitor of **lysyl oxidase (LOX)** with IC₅₀ of 0.89 μM.

CCT365623 is ~16-fold more potent than BAPN (IC₅₀=14.7 μM).

CCT365623 displays excellent selectivity (over 350-fold) for LOX over amine oxidase A and B (MAO-A, MAO-B) and is over 1,000-fold more selective for LOX over serum diamine oxidase.

CCT365623 inhibits LOX at ~5 μM in MDCK cysts, whereas BAPN inhibits LOX at ~250 μM.

CCT365623 suppresses EGFR and AKT phosphorylation driven by EGF, also inhibits HTRA1 multimer formation.

CCT365623 blocks tumour growth and metastasis in a mouse model of spontaneous breast cancer that metastasizes to the lungs.

References

Tang H, et al. *Nat Commun.* 2017 Apr 18;8:14909.

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

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