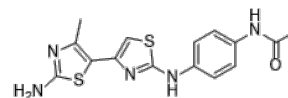


Product Name : LXG6403
Cat. No. : PC-22844
CAS No. : 315705-04-5
Molecular Formula : C₁₅H₁₅N₅OS₂
Molecular Weight : 345.44
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 315705-04-5

Biological Activity

LXG6403 is a highly potent, irreversible **lysyl oxidase (LOX)** inhibitor, inhibits cellular LOX activity efficiently in MDA-MB-231 cells with IC₅₀ of 1.3 μ M, >3-fold selective over LOXL2 and no activity against LOXL1.

LXG6403 inhibits cellular LOX activity with IC₅₀ values of 1.3 μ M, 1.43 μ M, 4.14 μ M, and 3.0 μ M in MDA-MB-231, HCC143, Hs-578-T, and HCC1937 cells.

LXG6403 enhances chemoresponse in 3D cultures of TNBC cell lines and PDX organoids.

LXG6403 diminishes collagen crosslinking/deposition and increases drug penetration in 3D culture, inhibiting FAK signaling and potentiating ROS/DNA damage axis.

LXG6403 rewires collagen architecture/signaling, overcomes doxorubicin resistance in chemoresistant TNBC PDXs in vivo.

References

Cetin M, et al. *Cell Chem Biol.* 2024 Jul 9;S2451-9456(24)00273-3.

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

E-mail: tech@probechem.com