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Product Datasheet

LXG6403

FBM-10-4977

Article Name	LXG6403
Biozol Catalog Number	FBM-10-4977
Supplier Catalog Number	10-4977
Alternative Catalog Number	FBM-10-4977-1MG,FBM-10-4977-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Lysyl oxidase inhibitor...
Molecular Weight	345.44
Purity	98% by TLC NMR (Conforms)
Form	Off-white/beige/gray solid
CAS Number	[315705-04-5]
Formula	C15H15N5OS2
Application Notes	LXG6403 is a potent ($IC_{50} = 1.3 \mu M$) and selective (3.5x over LOXL2 and no inhibition of LOX1) lysyl oxidase (LOX) inhibitor. Active against LOX in multiple cell lines ($IC_{50} < 5 \mu M$ against MDA-MB-231, HCC143, Hs-578-T, and HCC1937). LXG6403 enhanced chemosensitivity of triple negative breast cancer cells to anthracycline, doxorubicin, cisplatin, and paclitaxel. It inhibited collagen crosslinking and deposition, increased doxorubicin penetration in cells and organoids, inhibited FAK signaling, and potentiated ROS/DNA damage axis in combination with cisplatin. LXG6403 was able to overcome doxorubicin resistance in the TM01278 TNBC PDX model.