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Product Datasheet

LXG6403, CAS [[315705-04-5]] **FBM-10-4977**

Artikelname	LXG6403, CAS [[315705-04-5]]
Artikelnummer	FBM-10-4977
Hersteller Artikelnummer	10-4977
Alternativnummer	FBM-10-4977-1MG,FBM-10-4977-5MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Lysyl oxidase inhibitor...
Molekulargewicht	345.44
Reinheit	98% by TLC NMR (Conforms)
Formulierung	Off-white/beige/gray solid
CAS Nummer	[315705-04-5]
Formel	C15H15N5OS2

Anwendungsbeschreibung	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.
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