

# LOX Inhibitor CCT365623 Small Molecule (Tool Compound)

**Catalogue number:** 157972

**Sub-type:** Inhibitor

**Images:**

## Contributor

**Inventor:** Leo Leung ; Caroline Springer

**Institute:** Cancer Research UK, Manchester Institute

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** LOX Inhibitor CCT365623 Small Molecule (Tool Compound)

**Alternate name:** LOX, protein-6-lysine oxidase

**Class:**

**Conjugate:**

**Description:** Lysyl oxidase (LOX) and its family members LOX-like (LOXL) are copper-dependent amine oxidases that covalently cross-link collagens and elastin in the tumor extracellular matrix. LOX is secreted as a catalytically inactive 50 kDa pro-protein, which is cleaved to an active 32 kDa enzyme by proteases such as procollagen C-proteinase. LOX and LOXL have variable N-termini, and share a highly conserved C-terminus, where the catalytic domain is located. The catalytic site comprises a copper binding...

**Purpose:** Inhibitor

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:** Patent Application Number WO 2017/141049 A1

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:** 0.90 $\mu$ M

## Applications

**Application:**

**Application notes:**

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## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry Ice

## Related tools

**Related tools:**

## References

**References:** Holland et al. 2011. EMBO Mol Med. 3(3):167-80. PMID: 21337521.

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