### Data Sheet

**Product Name:** LOXL2-IN-1 hydrochloride  
**Cat. No.:** HY-101771A  
**CAS No.:** 916210-98-5  
**Molecular Formula:** C_{6}H_{8}Cl_{2}N_{2}  
**Molecular Weight:** 179.05  
**Target:** Others  
**Solubility:** DMSO: ≥33 mg/mL

#### BIOLOGICAL ACTIVITY:
LOXL2-IN-1 hydrochloride is a selective LOXL2 inhibitor with an IC_{50} of 126 nM.  
IC_{50} & Target: IC_{50}: 126 nM (LOXL2)\textsuperscript{[1]}

**In Vitro:** LOXL2-IN-1 is shown to be selective for LOXL over LOX and three other amine oxidases (MAO-A, MAO-B and SSAO). In the human whole blood LOXL2 assay, LOXL2-IN-1 has an IC_{50} of 1.45 μM compared to 126 nM in the absence of blood proteins. LOXL2-IN-1 shows a 31-fold selectivity for LOXL2+BSA (IC_{50}=190 nM) over LOX+BSA (IC_{50}=5.91 μM). Against a panel of non-LTQ-containing AO enzymes (MAO-A, MAO-B and SSAO), LOXL2-IN-1 is found to be inactive at 30 μM. LOXL2-IN-1 is profiled for the inhibition of three different CYP enzymes (CYPs 3A4, 2C9 and 2D6) and in each case the IC_{50} is more than 30 μM\textsuperscript{[1]}.

**References:**

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**Caution:** Product has not been fully validated for medical applications. For research use only.

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