# Data Sheet (Cat.No.T67855)



#### ISX-3

## **Chemical Properties**

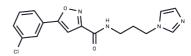
CAS No.: 912789-08-3

Formula: C16H15ClN4O2

Molecular Weight: 330.77

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## **Biological Description**

| Description   | ISX-3 is a potent pro-osteogenic and anti-adipogenic agent. ISX-3 can increase the expression of PPARy. ISX-3 can be for the research of osteopenia and osteoporosis.   |
|---------------|---|
| Targets(IC50) | Others  |
| In vitro      | ISX-3 (0-100000 nM; 10 days) showed a stimulating effect on lipid droplet accumulation and an inhibitory effect on ALP induction. ISX-3 (50 $\mu$ M; 2 days) increases the expression of PPAR $\gamma$ in hBMSCs in the presence of MDI[1]. |

## **Solubility Information**

Solubility DMSO: 11 mg/mL (33.26 mM)

(< 1 mg/ml refers to the product slightly soluble or insoluble)

## **Preparing Stock Solutions**

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.0232 mL | 15.1162 mL | 30.2325 mL |
| 5 mM  | 0.6046 mL | 3.0232 mL  | 6.0465 mL  |
| 10 mM | 0.3023 mL | 1.5116 mL  | 3.0232 mL  |
| 50 mM | 0.0605 mL | 0.3023 mL  | 0.6046 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

#### Reference

Nawa K, et al. Discovering small molecules that inhibit adipogenesis and promote osteoblastogenesis: unique screening and Oncostatin M-like activity. Differentiation. 2013 Jul-Sep;86(1-2):65-74.

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