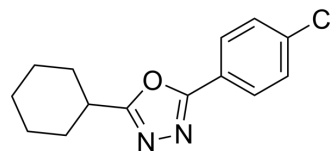


MLS000545091

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-118110 | | |
| CAS No.: | 322666-76-2 | | |
| Molecular Formula: | C ₁₄ H ₁₅ ClN ₂ O | | |
| Molecular Weight: | 262.73 | | |
| Target: | Lipoxygenase | | |
| Pathway: | Metabolic Enzyme/Protease | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 20.83 mg/mL (79.28 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 3.8062 mL | 19.0309 mL | 38.0619 mL |
| | 5 mM | 0.7612 mL | 3.8062 mL | 7.6124 mL |
| | 10 mM | 0.3806 mL | 1.9031 mL | 3.8062 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

MLS000545091 is a potent and selective lipoxygenase-2 (LOX-2) inhibitor with an IC₅₀ value of 2.6 μM for h15-LOX-2^[1].

REFERENCES

[1]. Tsai WC, et, al. Kinetic and structural investigations of novel inhibitors of human epithelial 15-lipoxygenase-2. Bioorg Med Chem. 2021 Sep 15;46:116349.

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

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