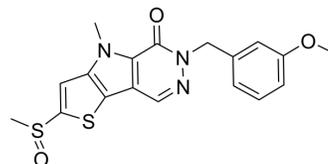


ML202

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-110124 | | |
| CAS No.: | 1221186-52-2 | | |
| Molecular Formula: | C ₁₈ H ₁₇ N ₃ O ₃ S ₂ | | |
| Molecular Weight: | 387.48 | | |
| Target: | Pyruvate Kinase | | |
| 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 : 50 mg/mL (129.04 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 2.5808 mL | 12.9039 mL | 25.8078 mL |
| | | 5 mM | 0.5162 mL | 2.5808 mL | 5.1616 mL |
| | | 10 mM | 0.2581 mL | 1.2904 mL | 2.5808 mL |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.45 mM); Clear solution | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.45 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------|--|
| Description | ML202 is a highly specific allosteric activator of human pyruvate kinase M2 (hPK-M2), which can affect the cooperativity of phosphoenolpyruvate (PEP) binding, while adenosine diphosphate (ADP) binding almost no effect ^[1] . |
|-------------|--|

REFERENCES

[1]. Matthew B Boxer, et al. Identification of activators for the M2 isoform of human pyruvate kinase Version 3. 2009 Sep 1 [updated 2011 Mar 3]. In: Probe Reports from the NIH Molecular Libraries Program [Internet]. Bethesda (MD): National Center for Biotechnology Information (US); 2010-.

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

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