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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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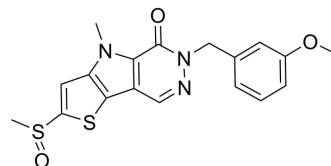
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ML202

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)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		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] .
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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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