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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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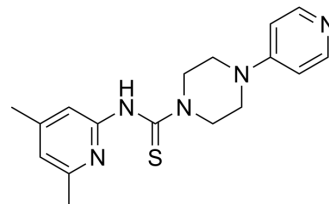
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PHGDH-inactive

Cat. No.: HY-121733
CAS No.: 1914971-16-6
Molecular Formula: C₁₇H₂₁N₅S
Molecular Weight: 327.45
Target: Phosphoglycerate Dehydrogenase (PHGDH)
Pathway: Metabolic Enzyme/Protease
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 83.33 mg/mL (254.48 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.0539 mL	15.2695 mL	30.5390 mL
		5 mM		0.6108 mL	3.0539 mL	6.1078 mL
		10 mM		0.3054 mL	1.5270 mL	3.0539 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (6.35 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.35 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.08 mg/mL (6.35 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	PHGDH-inactive has no activity against PHGDH and serves as a negative control of NCT-502 and NCT-503 ^[1] .
In Vitro	PHGDH-inactive has no activity against PHGDH and serves as a negative control ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Pacold ME, et al. A PHGDH inhibitor reveals coordination of serine synthesis and one-carbon unit fate [published correction appears in Nat Chem Biol. 2016 Jul 19;12(8):656]. Nat Chem Biol. 2016;12(6):452-458.

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

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