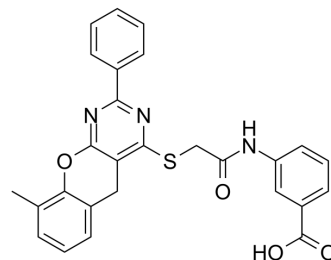


UCK2 Inhibitor-1

Cat. No.:	HY-148394
CAS No.:	902289-98-9
Molecular Formula:	C ₂₇ H ₂₁ N ₃ O ₄ S
Molecular Weight:	483.54
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (25.85 mM; ultrasonic and warming and heat to 60°C)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	2.0681 mL	10.3404 mL	20.6808 mL
		5 mM	0.4136 mL	2.0681 mL	4.1362 mL
		10 mM	0.2068 mL	1.0340 mL	2.0681 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.59 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	UCK2 Inhibitor-1 (Compound 20874830-2) is a non-competitive UCK2 inhibitor with an IC ₅₀ of 4.7 μM ^[1] .
IC₅₀ & Target	IC ₅₀ : 4.7 μM (UCK2) ^[1]

REFERENCES

[1]. Okesli-Armlovich A, et al. Discovery of small molecule inhibitors of human uridine-cytidine kinase 2 by high-throughput screening. *Bioorg Med Chem Lett*. 2019 Sep 15;29(18):2559-2564.

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

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