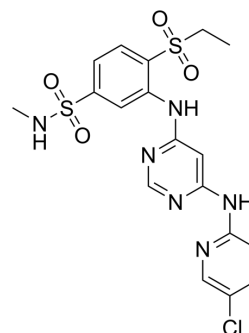


GSK854

Cat. No.:	HY-119608		
CAS No.:	1316059-00-3		
Molecular Formula:	C ₁₈ H ₁₉ ClN ₆ O ₄ S ₂		
Molecular Weight:	482.96		
Target:	Others		
Pathway:	Others		
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 : 250 mg/mL (517.64 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0706 mL	10.3528 mL	20.7056 mL
	5 mM	0.4141 mL	2.0706 mL	4.1411 mL
	10 mM	0.2071 mL	1.0353 mL	2.0706 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (4.31 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (4.31 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

GSK854 is a potent Inhibitor of Troponin I-Interacting Kinase (TNNI3K). GSK854 is a suitable lead for identifying new cardiac medicines and have been employed as in vivo tools in investigational studies aimed at defining the role of TNNI3K within heart failure^[1].

REFERENCES

- [1]. Philp J, et al. 4,6-Diaminopyrimidines as Highly Preferred Troponin I-Interacting Kinase (TNNI3K) Inhibitors. J Med Chem. 2018;61(7):3076-3088.

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

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