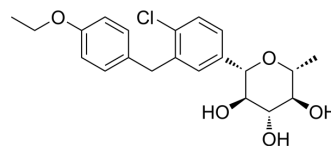


Tianagliflozin

Cat. No.:	HY-116223	
CAS No.:	1461750-27-5	
Molecular Formula:	C ₂₁ H ₂₅ ClO ₅	
Molecular Weight:	392.87	
Target:	SGLT	
Pathway:	Membrane Transporter/Ion Channel	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (254.54 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5454 mL	12.7269 mL	25.4537 mL
	5 mM	0.5091 mL	2.5454 mL	5.0907 mL
	10 mM	0.2545 mL	1.2727 mL	2.5454 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: ≥ 2.5 mg/mL (6.36 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (6.36 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.36 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Tianagliflozin is a sodium/glucose cotransporter 2 (SGLT-2) inhibitor with potential for investigation in type 2 diabetes^[1].

REFERENCES

[1]. ZHANG Ling-Yu, et al. Synthesis and Crystal Structure of Tianagliflozin Triacetate[J]. JIEGOU HUAXUE, 2013, 33(1): 85-89.

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

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