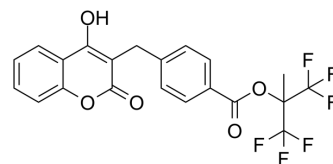


Tecarfarin

Cat. No.:	HY-14854		
CAS No.:	867257-26-9		
Molecular Formula:	C ₂₁ H ₁₄ F ₆ O ₅		
Molecular Weight:	460.32		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (543.10 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.1724 mL	10.8620 mL	21.7240 mL
		5 mM	0.4345 mL	2.1724 mL	4.3448 mL
10 mM		0.2172 mL	1.0862 mL	2.1724 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 (4.52 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.52 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Tecarfarin (ATI-5923) is an orally active and non-competitive vitamin K epoxide reductase (VKOR) antagonist, and impairs the activation of the vitamin K-dependent clotting factors II, VII, IX and X ^[1] . Tecarfarin has the antithrombotic activity ^[2] .
IC₅₀ & Target	VKOR ^[1]

REFERENCES

[1]. Hohl EL, et al. Tecarfarin: A Novel Vitamin K Antagonist. Thromb Haemost. 2017 Nov;117(11):2009-2011.

[2]. Bowersox SS, et al. Antithrombotic activity of the novel oral anticoagulant, Tecarfarin [Sodium 3-[4-((1,1,1,3,3,3-hexafluoro-2-methylpropan-2-yloxy) carbonyl) benzyl]-2-oxo-2H-chromen-4-olate] in animal models. Thromb Res. 2010 Nov;126(5):e383-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA