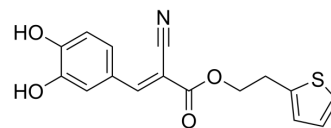


2-TEDC

Cat. No.:	HY-101051		
CAS No.:	132465-10-2		
Molecular Formula:	C ₁₆ H ₁₃ NO ₄ S		
Molecular Weight:	315.34		
Target:	Lipoxygenase		
Pathway:	Metabolic Enzyme/Protease		
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 : 100 mg/mL (317.12 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.1712 mL	15.8559 mL	31.7118 mL
		5 mM	0.6342 mL	3.1712 mL	6.3424 mL
10 mM		0.3171 mL	1.5856 mL	3.1712 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: ≥ 2.5 mg/mL (7.93 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	2-TEDC is a potent inhibitor of 5-, 12-, and 15-lipoxygenase with IC ₅₀ values of 0.09 μM, 0.013 μM and 0.5 μM, respectively. 2-TEDC can be used for the research of atherosclerosis ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.09 μM (5-lipoxygenase); 0.013 μM (12-lipoxygenase); 0.5 μM (15-lipoxygenase) ^[1] .
In Vitro	2-TEDC can potent inhibit 5-, 12-, and 15-lipoxygenase with IC ₅₀ values of 0.09 μM, 0.013 μM and 0.5 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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