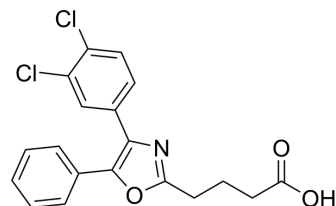


SWE101

Cat. No.:	HY-126326		
CAS No.:	2376322-12-0		
Molecular Formula:	C ₁₉ H ₁₅ Cl ₂ NO ₃		
Molecular Weight:	376.23		
Target:	Epoxide Hydrolase		
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 (265.79 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.6579 mL	13.2897 mL	26.5795 mL
		5 mM	0.5316 mL	2.6579 mL	5.3159 mL
10 mM		0.2658 mL	1.3290 mL	2.6579 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 (6.64 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (6.64 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.64 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	SWE101 (compound 22 b) is a potent soluble epoxide hydrolase (sEH)-P inhibitor with IC ₅₀ s of 4 μM and 2.8 μM for human and rat sEH-P, respectively. SWE101 does not inhibit neither hydrolase nor phosphatase activity of the mouse sEH ^[1] .
IC ₅₀ & Target	IC ₅₀ : 4 μM (human sEH-P) and 2.8 μM (rat sEH-P) ^[1]

REFERENCES

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

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