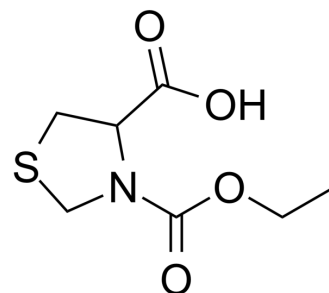


(Rac)-Telmesteine

Cat. No.:	HY-108285		
CAS No.:	127657-29-8		
Molecular Formula:	C ₇ H ₁₁ NO ₄ S		
Molecular Weight:	205.23		
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 : 100 mg/mL (487.26 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.8726 mL	24.3629 mL	48.7258 mL
		5 mM	0.9745 mL	4.8726 mL	9.7452 mL
10 mM		0.4873 mL	2.4363 mL	4.8726 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (10.13 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (10.13 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (10.13 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	(Rac)-Telmesteine is a protease inhibitor and is thus a suitable enzyme stabilizer extracted from patent WO 2017220302 A1, compound II-1. (Rac)-Telmesteine can be used as an enzyme stabilizer in protease-containing detergents and cleaning agents ^[1] .
IC₅₀ & Target	Protease ^[1]

REFERENCES

[1]. Timothy O'connell, et al. Enzyme stabilizers. WO2017220302A1.

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