

Nangibotide TFA

Cat. No.:	HY-P3211A	
Molecular Formula:	$C_{56}H_{83}F_3N_{14}O_{24}S_2$	
Molecular Weight:	1457.46	
Sequence Shortening:	LQEEDAGEYGCM-NH2	LQEEDAGEYGCM-NH ₂ (TFA salt)
Target:	Others	
Pathway:	Others	
Storage:	Sealed storage, away from moisture and light, under nitrogen	
	Powder	-80°C 2 years -20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)	

SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (34.31 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions			1 mg	5 mg
		1 mM		0.6861 mL	3.4306 mL
		5 mM		0.1372 mL	0.6861 mL
10 mM			0.0686 mL	0.3431 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: ≥ 2.5 mg/mL (1.72 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (1.72 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (1.72 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Nangibotide TFA is a TREM-1 receptor inhibitor that can modulate innate immune response. Nangibotide TFA can reduce systemic and in situ inflammatory reaction in rodent models of myocardial ischaemia-reperfusion ^[1] .
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REFERENCES

[1]. Cuvier V, et, al. A first-in-man safety and pharmacokinetics study of nangibotide, a new modulator of innate immune response through TREM-1 receptor inhibition. Br J Clin Pharmacol. 2018 Oct;84(10):2270-2279.

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

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