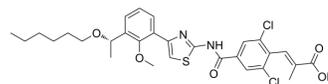


## Lusutrombopag

<b>Cat. No.:</b>	HY-19883		
<b>CAS No.:</b>	1110766-97-6		
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>32</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>5</sub> S		
<b>Molecular Weight:</b>	591.55		
<b>Target:</b>	Thrombopoietin Receptor		
<b>Pathway:</b>	Immunology/Inflammation		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 33 mg/mL (55.79 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Mass		1 mg	5 mg	10 mg
	Concentration				
	1 mM		1.6905 mL	8.4524 mL	16.9047 mL
	5 mM		0.3381 mL	1.6905 mL	3.3809 mL
	10 mM		0.1690 mL	0.8452 mL	1.6905 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
 Solubility: ≥ 2.5 mg/mL (4.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: 2.5 mg/mL (4.23 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.5 mg/mL (4.23 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Lusutrombopag is an orally bioavailable thrombopoietin (TPO) receptor agonist, used for treatment of chronic liver disease.

#### In Vitro

Lusutrombopag acts selectively on the human TPO receptor and activates signal transduction pathways that promote the proliferation and differentiation of bone marrow cells into megakaryocytes, thereby increasing platelet levels<sup>[1]</sup>.  
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## CUSTOMER VALIDATION

- J Thromb Haemost. 2022 May 27.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

[1]. Kim ES, et al. Lusutrombopag: First Global Approval. Drugs. 2016 Jan;76(1):155-8.

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

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