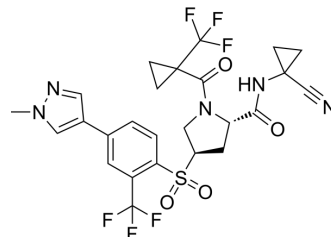


## Petesicatib

Cat. No.:	HY-109069		
CAS No.:	1252637-35-6		
Molecular Formula:	C <sub>25</sub> H <sub>23</sub> F <sub>6</sub> N <sub>5</sub> O <sub>4</sub> S		
Molecular Weight:	604		
Target:	Cathepsin		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (206.95 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		1.6556 mL	8.2781 mL	16.5563 mL
		5 mM		0.3311 mL	1.6556 mL	3.3113 mL
10 mM			0.1656 mL	0.8278 mL	1.6556 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.08 mg/mL (3.44 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.44 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.08 mg/mL (3.44 mM); Clear solution</li> </ol>					

### BIOLOGICAL ACTIVITY

Description	Petesicatib (RO5459072; RG-7625) is a cathepsin S inhibitor, used in research of immune diseases <sup>[1]</sup> .
IC <sub>50</sub> & Target	cathepsin S
In Vitro	Petesicatib (Example 238) is a cathepsin S inhibitor, used in research of immune diseases <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. Rubén Alvarez Sánchez, et al. Novel proline derivatives. US20100267722A1

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

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