

## Erepdekinra

<b>Cat. No.:</b>	HY-P3450	
<b>CAS No.:</b>	2641313-47-3	
<b>Molecular Formula:</b>	C <sub>88</sub> H <sub>130</sub> N <sub>22</sub> O <sub>22</sub>	
<b>Molecular Weight:</b>	1848.11	Ac-VHVTIPADLWDWINK-NH <sub>2</sub>
<b>Sequence Shortening:</b>	Ac-VHVTIPADLWDWINK-NH2	
<b>Target:</b>	Interleukin Related	
<b>Pathway:</b>	Immunology/Inflammation	
<b>Storage:</b>	Sealed storage, away from moisture and light	
	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)	

### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (54.11 mM; Need ultrasonic)																					
	H <sub>2</sub> O : < 0.1 mg/mL (ultrasonic) (insoluble)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Preparing Stock Solutions</th> <th>Solvent Concentration</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> <tr> <th>Mass</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>0.5411 mL</td> <td>2.7055 mL</td> <td>5.4109 mL</td> </tr> <tr> <td>5 mM</td> <td>0.1082 mL</td> <td>0.5411 mL</td> <td>1.0822 mL</td> </tr> <tr> <td>10 mM</td> <td>0.0541 mL</td> <td>0.2705 mL</td> <td>0.5411 mL</td> </tr> </tbody> </table>	Preparing Stock Solutions	Solvent Concentration	1 mg	5 mg	10 mg	Mass				1 mM	0.5411 mL	2.7055 mL	5.4109 mL	5 mM	0.1082 mL	0.5411 mL	1.0822 mL	10 mM	0.0541 mL	0.2705 mL	0.5411 mL
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Please refer to the solubility information to select the appropriate solvent.																						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (1.35 mM); Clear solution																					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Erepdekinra is an interleukin-17A (IL-17A) receptor antagonist <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IL-17

### REFERENCES

[1]. WHO Drug Information. International Nonproprietary Names for Pharmaceutical

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**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](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA