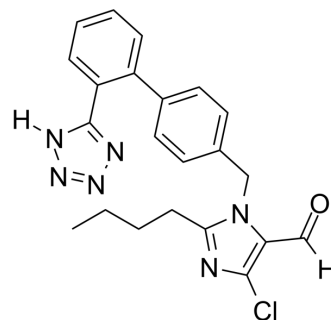


## EXP3179

Cat. No.:	HY-114950	
CAS No.:	114798-36-6	
Molecular Formula:	C <sub>22</sub> H <sub>21</sub> ClN <sub>6</sub> O	
Molecular Weight:	420.89	
Target:	COX	
Pathway:	Immunology/Inflammation	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 125 mg/mL (296.99 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3759 mL	11.8796 mL	23.7592 mL
	5 mM	0.4752 mL	2.3759 mL	4.7518 mL
	10 mM	0.2376 mL	1.1880 mL	2.3759 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: ≥ 2.08 mg/mL (4.94 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (4.94 mM); Clear solution

## BIOLOGICAL ACTIVITY

### Description

EXP3179 is an important intermediate aldehyde metabolite of Losartan. EXP3179 has no AT1-R-blocking activity, but potently inhibits the expression of endothelial cyclooxygenase (COX)-2. EXP3179 exerts potent anti-inflammatory actions<sup>[1]</sup>.

## REFERENCES

- [1]. Rossi GP. Losartan metabolite EXP3179: an AT1-receptor-independent treatment strategy for patients with the metabolic syndrome?. Hypertension. 2009;54(4):710-712.

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

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