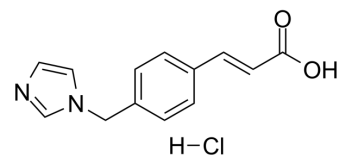


## Ozagrel hydrochloride

<b>Cat. No.:</b>	HY-B0428B
<b>CAS No.:</b>	78712-43-3
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>13</sub> ClN <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	264.71
<b>Target:</b>	Prostaglandin Receptor
<b>Pathway:</b>	GPCR/G Protein
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 250 mg/mL (944.43 mM; Need ultrasonic)  
H<sub>2</sub>O : 100 mg/mL (377.77 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.7777 mL	18.8886 mL	37.7772 mL
	5 mM	0.7555 mL	3.7777 mL	7.5554 mL
	10 mM	0.3778 mL	1.8889 mL	3.7777 mL

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

#### In Vivo

- Add each solvent one by one: PBS  
Solubility: 25 mg/mL (94.44 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.08 mg/mL (7.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (7.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (7.86 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Ozagrel hydrochloride (OKY-046 hydrochloride) is a thromboxane A<sub>2</sub> (TXA<sub>2</sub>) synthase inhibitor. Ozagrel hydrochloride is an antiplatelet agent, which selectively inhibits human platelet aggregation with an IC<sub>50</sub> of 53.12 μM<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

TXA<sub>2</sub>

---

## REFERENCES

---

[1]. Max Seidy Saito, et al. Antiplatelet pyrazolopyridines derivatives: pharmacological, biochemical and toxicological characterization. J Enzyme Inhib Med Chem. 2016 Dec;31(6):1591-601.

---

**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