Ozagrel hydrochloride

Cat. No.: HY-B0428B

CAS No.: 78712-43-3

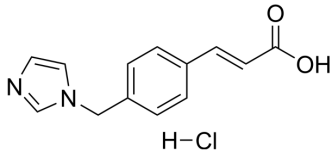
Molecular Formula: $C_{13}H_{13}ClN_2O_2$

Molecular Weight: 264.71

Target: Prostaglandin Receptor

Pathway: GPCR/G Protein

Storage: 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_2O : 100 mg/mL (377.77 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	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

1. Add each solvent one by one: PBS
   Solubility: 25 mg/mL (94.44 mM); Clear solution; Need ultrasonic
2. 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
3. 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
4. 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 A2 (TXA2) synthase inhibitor. Ozagrel hydrochloride is an antiplatelet agent, which selectively inhibits human platelet aggregationwith an IC_{50} of 53.12 μM[1].

IC_{50} & Target

TXA_2/TP

CUSTOMER VALIDATION

- Nat Commun. 2020 Apr 14;11(1):1792.

See more customer validations on www.MedChemExpress.com

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.

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