



Catalog # 10-2767

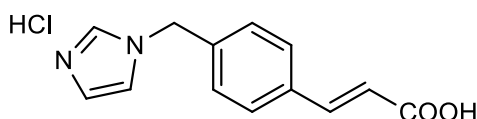
Ozagrel HCl

74003-18-2

(2E)-3-[4-(1H-Imidazol-1-ylmethyl)phenyl]-2-propenoic acid hydrochloride

OKY-046

Lot # X106318



Potent and selective inhibitor of thromboxane (TXA₂) synthetase (IC₅₀ = 4 nM)¹. Does not inhibit prostacyclin (PGI₂) synthase, cyclooxygenase or PGE₂ isomerase (IC₅₀ > 1 mM)¹. Inhibits platelet aggregation² *in vitro* and arachidonate-induced arterial contraction *in vivo*. Protects against arachidonate-induced sudden death in the rabbit³. Alleviates liver injury induced by acetaminophen overdose in mice⁴.

- 1) Hiraku *et al.* (1986), *Pharmacological studies on the TXA₂ synthetase inhibitor (E)-3-[p-(1H-imidazol-1-ylmethyl)phenyl]-2-propenoic acid (OKY-046)*; Jpn. J. Pharmacol., **41** 393
- 2) Naito *et al.* (1983), *Effects of thromboxane synthetase inhibitors on aggregation of rabbit platelets*; Eur. J. Pharmacol., **91** 41
- 3) Edmonds and Leffer (1984), *Protective actions of a new thromboxane synthetase inhibitor in arachidonate induced sudden death*; Life Sci., **35** 1763
- 4) Tomishima *et al.* (2013), *Ozagrel hydrochloride, a selective thromboxane A₂ synthase inhibitor, alleviates liver injury induced by acetaminophen overdose in mice*; BMC Gastroenterol., **30** 13

PHYSICAL DATA

Molecular Weight:	264.71
Molecular Formula:	C ₁₃ H ₁₂ N ₂ O ₂ HCl
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	Water (up to 25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 2 years from the date of purchase. Solutions in distilled water may be stored at -20°C for up to 1 month.

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