Ozagrel hydrochloride hydrate

Catalog Number O1385
Store at Room Temperature

CAS RN 78712-43-3
Synonyms: OKY-046; (E)-3-[4-(Imidazol-1-ylmethyl)phenyl]propenoic acid hydrochloride hydrate

Ozagrel is an imidazole derivative that inhibits TXA₂ biosynthesis by inhibiting TXA₂ synthetase activity. Inhibition of this pathway does not affect PGI₂ production. Laboratory studies indicate that inhibition of TXA₂ synthesis in vivo also blocks platelet aggregation, bronchoconstriction, and vasoconstriction in animal models. For example, ozagrel inhibits the formation of atherosclerotic plaques in aortic grafts in rat. Inhalation of capsaicin by guinea pigs induces TXA₂ production and coughing. Pretreatment with ozagrel reduces the cough response. Ozagrel preserved cerebral blood flow in mouse and cat models of transient cerebral ischemia.

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability
Store at room temperature tightly sealed under argon.

References