

Product Information

Cytochrome P450 inhibitor, Ozagrel, Purity \geq 98%

Cat. No.: X24-08-YM379

Size: 10 mg; 25 mg; 50 mg; 100 mg

MDL: MFCD00868231

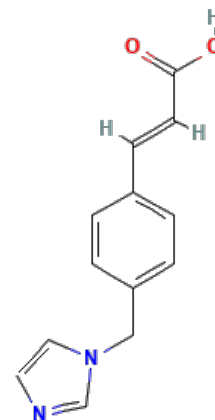
CAS Number: 82571-53-7

Compound CID: 5282440

Synonym: 82571-53-7; OKY 046; OKY046; Ozagrel free acid;

(*E*)-3-[4-(Imidazol-1-ylmethyl)phenyl]prop-2-enoic acid

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Ozagrel, soluble in DMSO and insoluble in water and ethanol, is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450. It targets the thromboxane A2 synthetase.
Molecular Weight	228.25
Molecular Formula	C ₁₃ H ₁₂ N ₂ O ₂
Targets	Thromboxane A2 synthetase: 11 nM
IUPAC Name	(<i>E</i>)-3-[4-(Imidazol-1-ylmethyl)phenyl]prop-2-enoic acid
InChI	InChI=1S/C13H12N2O2/c16-13(17)6-5-11-1-3-12(4-2-11)9-15-8-7-14-10-15/h1-8,10H,9H2,(H,16,17)/b6-5+
InChI Key	ZMMKVDBZTXUHFO-UHFFFAOYSA-M
Canonical SMILES	C1=CC(=C(C=C1CC(C(=O)[O-])O)O)O.[Na+]
Form	Lyophilized powder
Purity	\geq 98%
Titer	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
Solubility	<i>In vitro</i> : DMSO: 44 mg/mL (192.77 mM); Water: insoluble; Ethanol: insoluble
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Ozagrel is a metabolism inhibitor that can be used for its ability to reduce blood clotting and improve blood flow by inhibiting the production of thromboxane A2, a compound that promotes platelet aggregation and vasoconstriction.



Storage

Store at -20°C, and keep desiccated.
