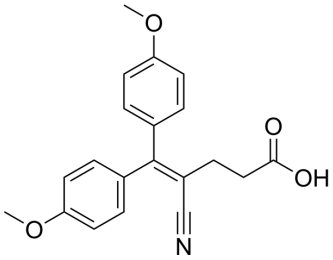
Satigrel

Cat. No.:	HY-114564
CAS No.:	111753-73-2
Molecular Formula:	$C_{20}H_{19}NO_4$
Molecular Weight:	337.37
Target:	Prostaglandin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Satigrel (E5510) is a potent inhibitor of platelet aggregation. Satigrel inhibits collagen- and arachidonic acid-induced platelet aggregation through preventing thromboxane A2 synthesis by selective inhibition of the target enzyme, PGHS1, which exists in platelets. Satigrel inhibits PGHS1 (IC_{50}: 0.081 μM) and PGHS2 (IC_{50}: 5.9 μM). Satigrel is against Type III PDE, Type V and Type II (IC_{50}: 15.7 μM, 39.8 μM and 62.4 μM, respectively)[1].

REFERENCES

[1]. N Nagakura, et al. Mechanisms of satigrel (E5510), a new anti-platelet drug, in inhibiting human platelet aggregation. Selectivity and potency against prostaglandin H synthases isozyme activities and phosphodiesterase isoform activities. Biol Pharm Bull. 1996 Jun;19(6):828-33.

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