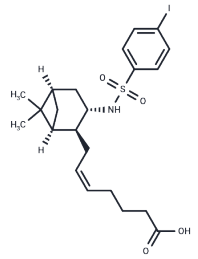
Data Sheet (Cat.No.T35586)

TargetMol

I-SAP

Chemical Properties



CAS No. : 133538-58-6

Formula: C22H30INO4S

Molecular Weight: 531.45

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	I-SAP is a high affinity TP receptor antagonist. At physiologic pH, I-SAP produces platelet shape change, but not aggregation, with an EC50 value of 9.7 nM. I-SAP binds to human platelets with the maximum binding obtained between pH 6.5 and pH 7.4. In washed human platelets, the Kd for I-SAP is 468 pM at pH 7.4 and 490 pM at pH 6.5.
Targets(IC50)	Others,Prostaglandin Receptor

Solubility Information

Solubility	DMSO: >25 mg/mL (from Pinane TXA2),Sonication is recommended. Ethanol: >100 mg/mL (from Pinane TXA2),Sonication is recommended. DMF: >50 mg/mL (from Pinane TXA2),Sonication is recommended. PBS (pH 7.2): >100 μ g/mL (from Pinane TXA2),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8816 mL	9.4082 mL	18.8164 mL
5 mM	0.3763 mL	1.8816 mL	3.7633 mL
10 mM	0.1882 mL	0.9408 mL	1.8816 mL
50 mM	0.0376 mL	0.1882 mL	0.3763 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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