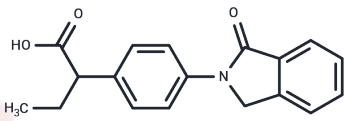
Data Sheet (Cat.No.T15577)

TargetMol

Indobufen

Chemical Properties



CAS No. : 63610-08-2

Formula: C18H17NO3

Molecular Weight: 295.33

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	Indobufen (Ibustrin) is an inhibitor of platelet aggregation and is a reversible platelet cyclooxygenase (Cox) activity inhibitor. Indobufen suppresses thromboxane A2 (TxA2) synthesis. Indobufen down-regulates tissue factor (TF) in monocytes.
Targets(IC50)	COX
In vitro	Indobufen suppresses TxA2 but not PGE2 synthesis in LPS-stimulated monocytes. Indobufen causes the extent of ERK1/2 phosphorylation, whereas the levels of phosphorylated p38 are unaltered. Indobufen does not affect both Cox-1 and Cox-2 protein, whereas Indobufen reduces TxB2 levels.

Solubility Information

Solubility	DMSO: 55 mg/mL (186.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.386 mL	16.9302 mL	33.8604 mL
5 mM	0.6772 mL	3.386 mL	6.7721 mL
10 mM	0.3386 mL	1.693 mL	3.386 mL
50 mM	0.0677 mL	0.3386 mL	0.6772 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.

Reference

Eligini S, et al. Indobufen inhibits tissue factor in human monocytes through a thromboxane-mediated mechanism. Cardiovasc Res. 2006 Jan;69(1):218-26.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481