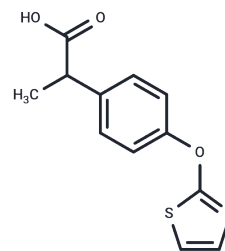


## Zoliprofen

## Chemical Properties

CAS No. :	56355-17-0
Formula:	C <sub>12</sub> H <sub>11</sub> NO <sub>3</sub> S
Molecular Weight:	249.29
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	Zoliprofen is a potent and orally available non-steroidal anti-inflammatory agent with anti-inflammatory, antipyretic and analgesic activity, and inhibits carobolin, mycobacterium, and knife-ball protein A-induced rat paw oedema, as well as anti-rat serum-induced fracture or dorsal skin oedema. Zoliprofen is 20 times more effective than ibuprofen and fenoprofen against collagen- or arachidonic acid-induced platelet aggregation in rats and rabbits. Zoliprofen was 20 times more effective than ibuprofen and fenoprofen in inhibiting endotoxin-induced diarrhoea in mice and arachidonic acid-induced acute mortality in rabbits.
Targets(IC50)	Others,Bradykinin Receptor,Prostaglandin Receptor

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (90.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0114 mL	20.057 mL	40.1139 mL
5 mM	0.8023 mL	4.0114 mL	8.0228 mL
10 mM	0.4011 mL	2.0057 mL	4.0114 mL
50 mM	0.0802 mL	0.4011 mL	0.8023 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

Hong Dae Choi, et al. Synthesis of 4-(2-thiazolyloxy)phenylalkanoic acids as an antiinflammatory agent. 1996 ; 19: Archives of Pharmacal Research.148-152.

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