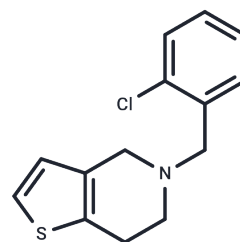


## Ticlopidine

## Chemical Properties

CAS No. :	55142-85-3
Formula:	C <sub>14</sub> H <sub>14</sub> ClNS
Molecular Weight:	263.79
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	Ticlopidine (PCR 5332) is an antiplatelet drug in the thienopyridine family which is an adenosine diphosphate (ADP) receptor inhibitor.
Targets(IC50)	ATPase, Adiponectin Receptor, Cytochromes P450

## Solubility Information

Solubility	DMSO: 55 mg/mL (208.5 mM), Sonication is recommended. H <sub>2</sub> O: 5.74 mg/mL (21.76 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	3.7909 mL	18.9545 mL	37.9089 mL
5 mM	0.7582 mL	3.7909 mL	7.5818 mL
10 mM	0.3791 mL	1.8954 mL	3.7909 mL
50 mM	0.0758 mL	0.3791 mL	0.7582 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

Maffrand, JP (2012). The story of clopidogrel and its predecessor, ticlopidine: Could these major antiplatelet and antithrombotic drugs be discovered and developed today. Comptes Rendus Chimie. 15 (8): 737-743.

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