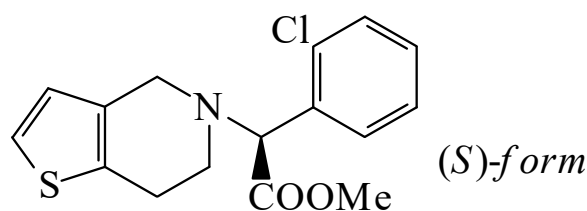




>>Entry Name: Clopidogrel, BAN, INN

Synonym(s): Methyl  $\alpha$ -(2-chlorophenyl)-6,7-dihydrothieno[3,2-*c*]pyridine-5(4*H*)-acetate, 9Cl. Iscover. **Meilax**‡. Plavix. Tipidyl. PCR 4099



CAS Registry Number: 90055-48-4

Related CAS Registry Numbers(s): 90055-49-5 94188-84-8 113665-84-2 120202-65-5 130209-90-4

Extra CAS Registry Numbers(s): 141196-65-8 144077-07-6

Molecular Formula: C<sub>16</sub>H<sub>16</sub>ClNO<sub>2</sub>S

Molecular Weight: 321.827

Accurate Mass: 321.059026

Percentage Composition: C 59.71%; H 5.01%; Cl 11.02%; N 4.35%; O 9.94%; S 9.96%

Biological Use/Importance: Specific inhibitor of ADP-induced platelet aggregation (activity dependent on hepatic metabolism). Antithrombotic agent

Development Status: Marketed drug. Launched in the US (1998). Worldwide 48th best selling prescription drug (\$0.90 bn) (Bristol-Myers Squibb) (2000, Pharma Business)

Calculated Log P Data: Log P 3.92 (uncertain value) (calc)

>>Variant: (*S*)-form

CAS Registry Number: 113665-84-2

Molecular Formula: C<sub>16</sub>H<sub>16</sub>ClNO<sub>2</sub>S

Molecular Weight: 321.827

Accurate Mass: 321.059026

Percentage Composition: C 59.71%; H 5.01%; Cl 11.02%; N 4.35%; O 9.94%; S 9.96%

Other Data: Pharmacol. active enantiomer

>>Derivative: Sulfate

Synonym(s): Clopidogrel bisulfate, USAN. SR 25990C

CAS Registry Number: 120202-66-6

>>Variant: ( $\pm$ )-form

CAS Registry Number: 120202-73-5

Molecular Formula: C<sub>16</sub>H<sub>16</sub>ClNO<sub>2</sub>S

Molecular Weight: 321.827

Accurate Mass: 321.059026

Percentage Composition: C 59.71%; H 5.01%; Cl 11.02%; N 4.35%; O 9.94%; S 9.96%

>>Derivative: Hydrochloride

CAS Registry Number: 90055-49-5

Physical Description: Cryst. (EtOAc/2-propanol)

Melting Point: Mp 130-140°

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