



LKT Laboratories, Inc.
Ticlopidine Hydrochloride

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Product Information

Product ID T3310

CAS No. 53885-35-1

Chemical Name 5-[(2-Chlorophenyl)-methyl]4,5,6,7-tetrahydrothieno[3,2-c]pyridine hydrochloride

Synonym Panaldine, Tlclid, Ticlodix, Ticlodone, Caudaline

Formula $C_{14}H_{14}ClNS \cdot HCl$

Formula Wt. 300.25

Melting Point $190^{\circ}C$

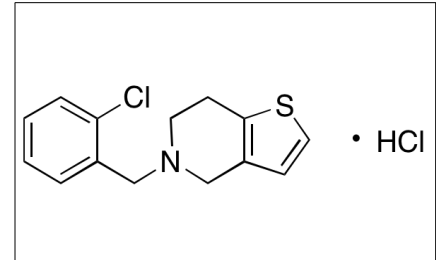
Purity $\geq 98\%$

Solubility Soluble in ethanol, methanol or chloroform.

Store Temp Ambient

Ship Temp Ambient

Description Ticlopidine is a first generation thienopyridine ADP/P2Y12 receptor inhibitor that exhibits antithrombotic and cardioprotective activities. Ticlopidine binds to the P2Y12 receptor, preventing changes in the glycoprotein IIb/IIIa conformation and suppressing fibrinogen-platelet binding. This compound is clinically used to treat acute coronary syndrome and myocardial infarction.



Bulk quantities available upon request

| Product ID | Size |
|------------|------|
| T3310 | 1 g |
| T3310 | 5 g |
| T3310 | 25 g |

References Cohen MV, Downey JM. Combined cardioprotectant and antithrombotic actions of platelet P2Y12 receptor antagonists in acute coronary syndrome: just what the doctor ordered. *J Cardiovasc Pharmacol Ther.* 2014 Mar;19(2):179-90. PMID: 24298192.

Secco GG, Parisi R, Mirabella F, et al. P2Y12 inhibitors: pharmacologic mechanism and clinical relevance. *Cardiovasc Hematol Agents Med Chem.* 2013 Jun;11(2):101-5. PMID: 22963529.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.