

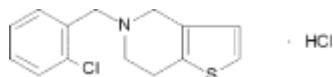
Ticlopidine hydrochloride

ALTERNATE NAME: 5-(o-Chlorobenzyl)-4,5,6,7-tetrahydrothieno[3,2-c]pyridine, 5-[(2-Chlorophenyl)methyl]-4,5,6,7-tetrahydrothieno[3,2-c]pyridine hydrochloride

CATALOG #: 2919-5, -25

AMOUNT: 5 g, 25 g

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₁₄ClNS · HCl (Hill Notation)

MOLECULAR WEIGHT: 300.25

CAS NUMBER: 53885-35-1

APPEARANCE: White to Off-white powder

SOLUBILITY: Methanol (~50 mg/ml)

PURITY: ≥99% by TLC (Analytical Standard for drug analysis)

STORAGE: Desiccated at RT

DESCRIPTION: Ticlopidine is a thienopyridine which, when metabolized, irreversibly blocks the ADP receptor on the surface of platelets. It is an FDA approved anti-platelet drug. Ticlopidine is a mechanism-based inhibitor of CYP2C19 (~500 nM, Refer K849 for data).

REFERENCES: Biochemistry 40: 12112-12122.
Drug Metab Dispos. 2004;32(3):333-9.

HANDLING: Protect from air, light and moisture. Do not take internally. Use dust mask type N95 (US), eyeshields, gloves when handling since this product is toxic to the skin or eyes!

RELATED PRODUCTS:

Azamulin (Cat#2915)
α-naphthoflavone (Cat#2918)
Caffeic Acid (Cat#2006)
Itraconazole (Cat#1987)
Quercetin, Dihydrate (Cat#1773)
Quinidine Sulfate dihydrate (Cat#2910)
Resveratrol (Cat#1758)
Rosiglitazone (Cat#1559)
Thiabendazole (Cat#2161)
Cytochrome P450 3A4 (CYP3A4) Activity Assay Kit (Fluorometric) (Cat#K701)
Cytochrome P450 3A4 (CYP3A4) Inhibitor Screening Kit (Fluorometric) (Cat#K702)
Cytochrome P450 2C19 (CYP2C19) Activity Assay Kit (Fluorometric) (Cat#K848)
Cytochrome P450 2C19 Inhibitor Screening Kit (Fluorometric) (Cat#K849)

FOR RESEARCH USE ONLY! Not to be used on humans.