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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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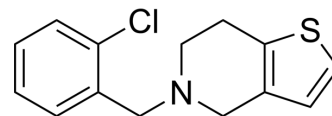
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Ticlopidine (Standard)

Cat. No.:	HY-100386R
CAS No.:	55142-85-3
Molecular Formula:	C ₁₄ H ₁₄ ClNS
Molecular Weight:	263.79
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ticlopidine (Standard) is the analytical standard of Ticlopidine. This product is intended for research and analytical applications. Ticlopidine (PCR 5332), an antithrombotic proagent, acts as an allosteric, noncompetitive inhibitor of CD39 with the IC ₅₀ of 81.7 μM. Ticlopidine blocks several NTPDase isoenzymes with IC ₅₀ s of 170 μM and 149 μM for NTPDase2 and NTPDase3, respectively. Ticlopidine is an inhibitor of CYP2C19 human liver cytochrome. Ticlopidine inhibits CYP2C9 and CYP3A4 with IC ₅₀ s of 26.0 and 32.3 μM, respectively.
IC ₅₀ & Target	Cytochrome P450 ^[1]

REFERENCES

- [1]. Laura Schäkel, et al. 2-Substituted thienotetrahydropyridine derivatives: Allosteric ectonucleotidase inhibitors. Arch Pharm (Weinheim). 2021 Dec;354(12):e2100300.
- [2]. I.KRASLOVA1, et al. Ticlopidine-Induced Cholestatic Inflammatory Hepatitis: New Insights into Pathogenetic Mechanisms of Drug-Related Hepatotoxicity.
- [3]. Si-hyung Yang, et al. Effects of ticlopidine on pharmacokinetics of losartan and its main metabolite EXP-3174 in rats. Acta Pharmacol Sin. 2011 Jul;32(7):967-72.
- [4]. F Piovella, et al. The effect of Ticlopidine on human endothelial cells in culture. Thromb Res. 1984 Feb 1;33(3):323-32.

Caution: Product has not been fully validated for medical applications. For research use only.

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