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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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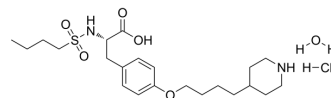
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Tirofiban hydrochloride monohydrate (Standard)

| | |
|--------------------|---|
| Cat. No.: | HY-17369R |
| CAS No.: | 150915-40-5 |
| Molecular Formula: | C ₂₂ H ₃₉ ClN ₂ O ₆ S |
| Molecular Weight: | 495.07 |
| Target: | Integrin |
| Pathway: | Cytoskeleton |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|--|
| Description | Tirofiban (hydrochloride monohydrate) (Standard) is the analytical standard of Tirofiban (hydrochloride monohydrate). This product is intended for research and analytical applications. Tirofiban (L700462) hydrochloride monohydrate is a selective and reversible platelet integrin receptor (Gp IIb/IIIa) antagonist that inhibits fibrinogen binding to this receptor and has antithrombotic activity. Tirofiban hydrochloride monohydrate induces proliferation and migration on endothelial cell by inducing production of VEGF. Tirofiban hydrochloride monohydrate can significantly reduce myocardial no-reflow and ischemia-reperfusion injury by alleviating myocardial microvascular structural and endothelial dysfunction in the ischemic area ^{[1][2][3]} . |
| IC₅₀ & Target | Gp IIb/IIIa Receptor ^[1] |

REFERENCES

- [1]. Giordano A, et al. Tirofiban induces VEGF production and stimulates migration and proliferation of endothelial cells. *Vascul Pharmacol*. 2014 May-Jun;61(2-3):63-71.
- [2]. Liu X, et al. Effects of tirofiban on the reperfusion-related no-reflow in rats with acute myocardial infarction. *J Geriatr Cardiol*. 2013 Mar;10(1):52-8.
- [3]. Yates YJ, et al. The effect of tirofiban on microvascular thrombosis: crush model. *Plast Reconstr Surg*. 2005 Jul;116(1):205-8

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

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