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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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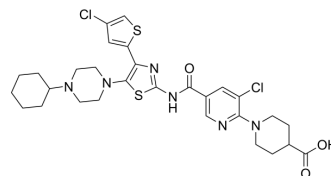
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Avatrombopag (Standard)

Cat. No.:	HY-13463R
CAS No.:	570406-98-3
Molecular Formula:	C ₂₉ H ₃₄ Cl ₂ N ₆ O ₃ S ₂
Molecular Weight:	649.65
Target:	Thrombopoietin Receptor
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Avatrombopag (Standard) is the analytical standard of Avatrombopag. This product is intended for research and analytical applications. Avatrombopag (AKR-501) is an orally active, nonpeptide thrombopoietin (TPO) receptor agonist (EC ₅₀ =3.3 nM). Avatrombopag mimics the biological activities of TPO. Avatrombopag increases platelet production by activating the intracellular signaling system, and promotes production of platelets and megakaryocytes from hemopoietic precursor cells. Avatrombopag is a substrate of cytochrome P450 (CYP) 2C9 and CYP3A ^{[1][2][3]} .
IC₅₀ & Target	EC50: 3.3 nM (TPO receptor) ^[1]

REFERENCES

- [1]. Fukushima-Shintani M, et al. AKR-501 (YM477) a novel orally-active thrombopoietin receptor agonist. *Eur J Haematol.* 2009;82(4):247-254.
- [2]. Xu H, et al. Avatrombopag for the treatment of thrombocytopenia in patients with chronic liver disease. *Expert Rev Clin Pharmacol.* 2019 Sep;12(9):859-865.
- [3]. Nomoto M, et al. Pharmacokinetic/pharmacodynamic drug-drug interactions of avatrombopag when coadministered with dual or selective CYP2C9 and CYP3A interacting drugs. *Br J Clin Pharmacol.* 2018;84(5):952-960.

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

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