Argatroban

Cat. No.: HY-B0375
CAS No.: 74863-84-6
Molecular Formula: C₂₃H₃₆N₆O₅S
Molecular Weight: 508.63
Target: Thrombin
Pathway: Metabolic Enzyme/Protease
Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description
Argatroban (MD-805) is a direct, selective thrombin inhibitor.

IC₅₀ & Target
Thrombin[1].

In Vitro
Argatroban (MD-805) may have a complementary effect for preventing thrombus formation without aggravating bleeding tendency because of its monotarget specificity to thrombin. Administration (0.5 to 2 micrograms/kg/min) of Argatroban (MD-805) is a safe anticoagulant for left heart bypass in repairs of traumatic aortic rupture associated with multiple organ injuries[1]. Argatroban (MD-805), as compared with heparin, appears to enhance reperfusion with TPA in patients with AMI, particularly in those patients with delayed presentation. The incidences of major bleeding and adverse clinical outcome were lower in the patients receiving argatroban[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo
Argatroban can be used in animal modeling to establish endogenous intestinal thrombus model.

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CUSTOMER VALIDATION

- Antiviral Res. 2023 Apr 17;105606.

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REFERENCES