Fradafiban

Cat. No.: HY-101720
CAS No.: 148396-36-5
Molecular Formula: C₂₀H₂₁N₃O₄
Molecular Weight: 367.4
Target: Integrin
Pathway: Cytoskeleton
Storage: Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description
Fradafiban is a nonpeptide platelet glycoprotein IIb/IIIa antagonist, which binds to the human platelet GP IIb/IIIa complex with a Kd value of 148 nM.

IC₅₀ & Target
Kd: 148 nM (human platelet GP IIb/IIIa complex)[1]

In Vitro
Fradafiban is a nonpeptide mimetic of the arginine-glycine-aspartic acid recognition sequence. Fradafiban binds with high affinity and selectivity to the human platelet GP IIb/IIIa complex and potently inhibits human platelet aggregation in vitro. Fradafiban reversibly binds to the human platelet GP IIb/IIIa complex with a Kd value of 148 nM[1].

In Vivo
Fradafiban has only very limited oral activity probably due to its high polarity and thus poor absorption after oral ingestion[1].

REFERENCES

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

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