
Product Data Sheet

Product Name: Fradafiban (BIBU-52)

Cat. No.: GC32562

Chemical Properties

Cas. No. 148396-36-5

SMILES O=C(O)C[C@H]1C(N[C@H](COC2=CC=C(C3=CC=C(C(N)=N)C=C3)C=C2)C1)=O

Formula $C_{20}H_{21}N_3O_4$ M.Wt 367.4

Solubility DMSO : 180 mg/mL (489.93 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

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.

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].

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

[1]. Müller TH, et al. Profound and sustained inhibition of platelet aggregation by Fradafiban, a nonpeptide platelet glycoprotein IIb/IIIa antagonist, and its orally active prodrug, Lefradafiban, in men. *Circulation*. 1997 Aug 19;96(4):1130-8.

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

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