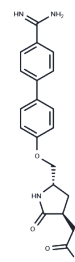


## Fradafiban

## Chemical Properties

CAS No. :	148396-36-5
Formula:	C <sub>20</sub> H <sub>21</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	367.40
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Fradafiban binds to the human platelet GP IIb/IIIa complex with a Kd value of 148 nM. Fradafiban is a non-polypeptide platelet glycoprotein IIb/IIIa antagonist.
Targets(IC50)	Others,Integrin
In vitro	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. Fradafiban is a nonpeptide mimetic of the arginine-glycine-aspartic acid recognition sequence.
In vivo	Fradafiban exhibits limited oral activity, likely attributed to its high polarity, which results in poor absorption following oral ingestion.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7218 mL	13.6091 mL	27.2183 mL
5 mM	0.5444 mL	2.7218 mL	5.4437 mL
10 mM	0.2722 mL	1.3609 mL	2.7218 mL
50 mM	0.0544 mL	0.2722 mL	0.5444 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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.

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