

Catalog Number: CM04781

产品信息

Catalog Number:
CM04781

CAS号:
144494-65-5

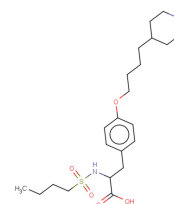
分子式:
 $C_{22}H_{36}N_2O_5S$

主要靶点:
Integrin

主要通路:
细胞骨架

分子量:
440.6

溶解度:
DMSO:< 1 mg/mL (insoluble or slightly soluble); Ethanol:< 1 mg/mL (insoluble or slightly soluble); H₂O:< 1 mg/mL (insoluble or slightly soluble)



靶点活性

GP1Ib/IIIa:9 nM

体外活性

Tirofiban (MK-383, Aggrastat) is a nonpeptide derivative of tyrosine that selectively inhibits the GP-IIb/IIIa receptor, with minimal effects on the $\alpha V \beta 3$ vitronectin receptor. [1][2] It inhibits platelet aggregation of gel-filtered platelets induced by 10 μ M ADP with IC₅₀ of 9 nM, but the IC₅₀ for inhibition of human umbilical vein adhesion to vitronectin, which depends on $\alpha V \beta 3$ vitronectin receptors, is 62 μ Mol/L. [3]

体内活性

Tirofiban (10 to 500 mg/kg or 360-min continuous i.v. infusions of 1 to 10 micrograms/kg/min) inhibits platelet aggregation responses to ADP and collagen in canine models. [4] When administered to humans at 0.15 μ g/kg/min for 4 h, Tirofiban produced a 2.5-fold increase in bleeding time and 97% inhibition of ADP-induced platelet aggregation. [5][6]

储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year | Shipping with blue ice.