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## Product Data Sheet

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Product Name: Abciximab

Cat. No.: GC65597

### Chemical Properties

Cas. No. 143653-53-6

Formula M.Wt

Solubility Storage Store at -80°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

Abciximab (C7E3), a chimeric mouse/human monoclonal antibody, is a glycoprotein (GP) IIb/IIIa inhibitor. Abciximab inhibits platelet aggregation and leucocyte adhesion by binding to the glycoprotein IIb/IIIa, vitronectin and Mac-1 receptors[1].

Abciximab (C7E3) inhibits platelet aggregation induced by physiologic and pathologic agonists by binding to the platelet  $\alpha$ IIb $\beta$ 3 integrin[2]. Abciximab appears to have similar affinity for the  $\alpha$ IIb $\beta$ 3 and  $\alpha$ v $\beta$ 3 integrins and redistributes between them[2].

Abciximab (C7E3) (0.25 mg/kg/day; i.v.; 28 days) effectively prevents neointimal hyperplasia[2].

[1]. Ibbotson T, et al. Abciximab: an updated review of its therapeutic use in patients with ischaemic heart disease undergoing percutaneous coronary revascularisation. *Drugs*. 2003;63(11):1121-63.

[2]. Wu CH, et al. Mechanisms involved in the inhibition of neointimal hyperplasia by abciximab in a rat model of balloon angioplasty. *Thromb Res*. 2001 Feb 1;101(3):127-38.

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

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