

## **Supporting Information**

# **Solubility Determination and Modelling for Tirofiban in Several Mixed Solvents at (278.15 – 323.15) K**

Jianqiang Zhang<sup>1</sup>, Haixia Zhang<sup>2</sup>, Renjie Xu<sup>\*2</sup>

<sup>1</sup> Henan Provincial Key Laboratory of Surface & Interface Science, Zhengzhou University of Light Industry,

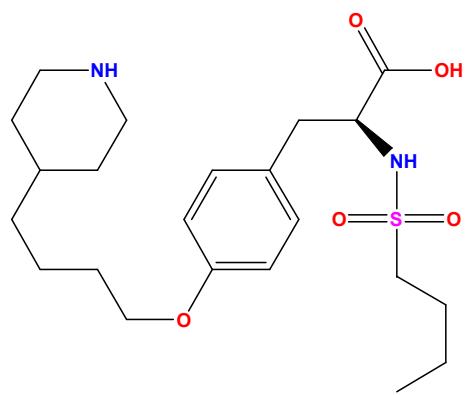
Henan

450001, People's Republic of China

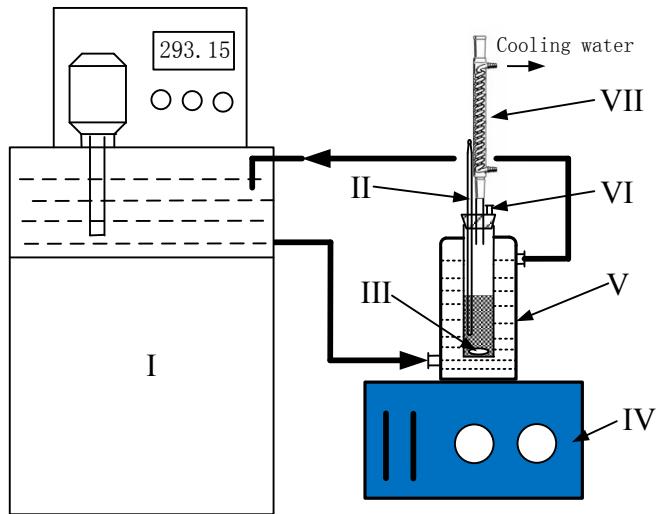
<sup>2</sup> Guangling College, Yangzhou University, Yangzhou, Jiangsu 225000, People's Republic of China

**Corresponding author.** Phone: + 86 514 87993918; Fax: + 86 514 87994009.

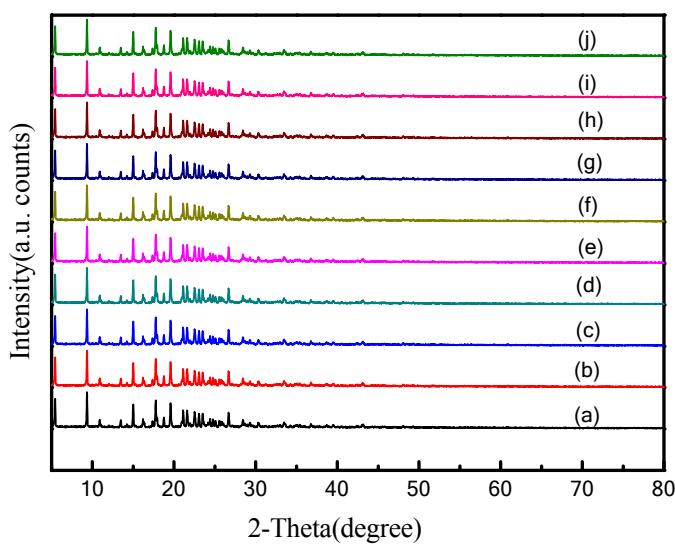
E-mail address: xurenjie126@163.com



**Fig. S1.** Chemical structure of tirofiban.



**Fig. S2.** Schematic diagram of experimental apparatus: I, smart thermostatic water bath; II, mercury-in-glass thermometer; III, magnetic stirrer; IV, stirrer controller; V, jacketed glass vessel; VI, sampling port; VII, condenser.



**Fig. S3.** XPRD patterns of tirofiban: (a) raw material; (b) crystallized in methanol; (c) crystallized in ethanol; (d) crystallized in isopropanol; (e) crystallized in EG; (f) crystallized in water; (g) crystallized in methanol + water mixture; (h) crystallized in ethanol + water mixture; (i) crystallized in isopropanol + water mixture; (j) crystallized in EG + water mixture.