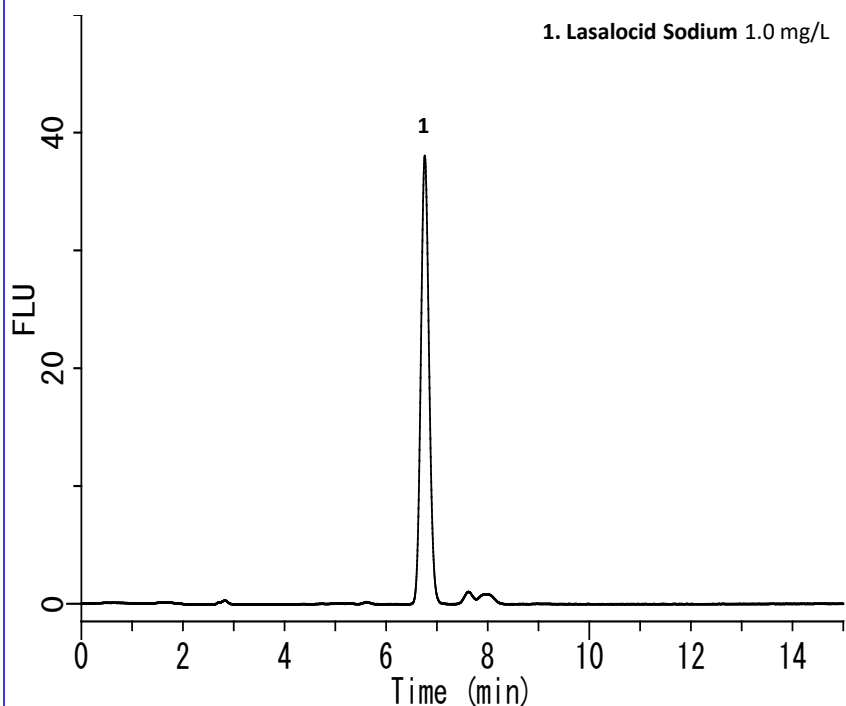


This year, we developed an analytical method for lasalocid sodium, a polyether antibiotic. In a previous report, we introduced a simultaneous analysis of polyether-based antibiotics using a post-column HPLC method. These compounds are considered difficult to analyze by post-column methods. However, unlike other polyether antibiotics, lasalocid is a compound with native fluorescent that can be readily measured using a fluorescence detector. In this report, we analyzed the results according to the method described in the "Feed Analysis Standards" to obtain excellent results.

(K. Suzuki)

### Example: Measurement of standard

1. Lasalocid Sodium 1.0 mg/L



#### HPLC conditions

**Column** : Inertsil ODS-SP  
(5  $\mu$ m, 250 x 4.6 mm I.D.)

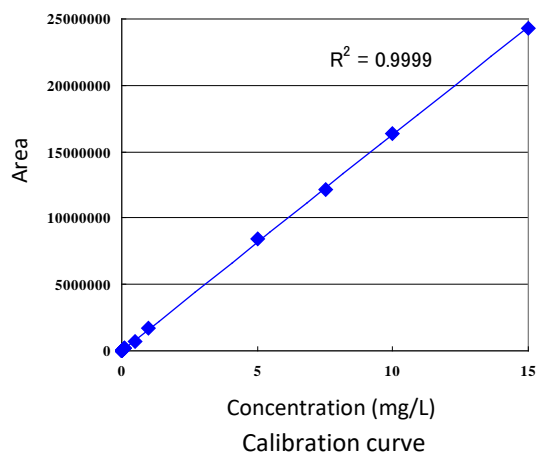
**Eluent** : A) CH<sub>3</sub>OH  
B) 20 mM phosphate buffer  
A/B = 90/10 v/v, 1.0 mL/min

**Temperature** : 40 °C

**Detector** : FL Ex 310 nm Em 420 nm

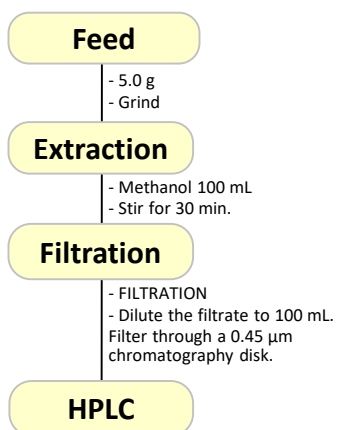
**Injection volume** : 20  $\mu$ L

\*Phosphate buffer: Dissolve 2.72 g of potassium dihydrogen phosphate in 1 L of ultrapure water, and adjust the pH to 3.0 with phosphoric acid.

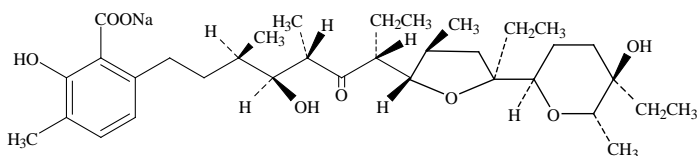


## Measurement example

### Example of pretreatment



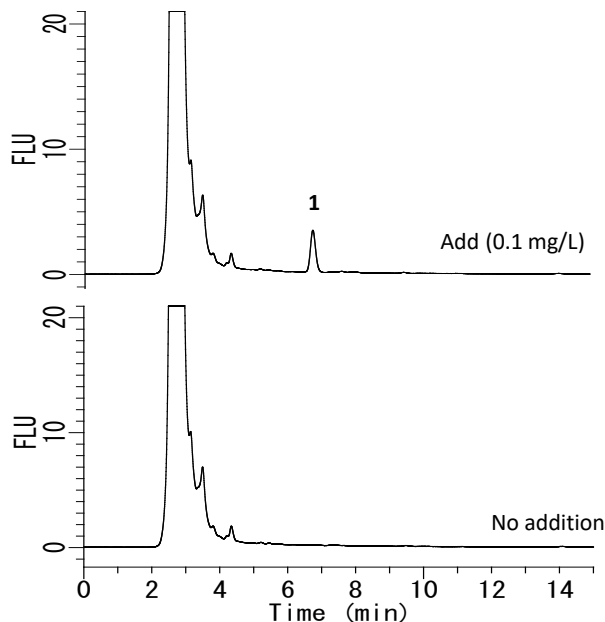
### Structural formula



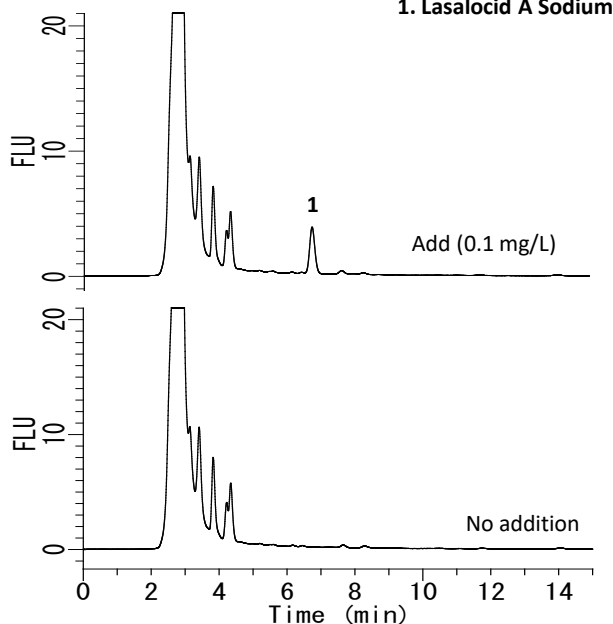
Lasalocid Sodium

Structures are created using Chemistry 4-D Draw which is provided by ChemInnovation Software, Inc.

#### Feed A extract



#### Feed B extract



#### 1. Lasalocid A Sodium

GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

#### GL Sciences, Inc. Japan

22-1 Nishishinjuku 6-Chome  
Shinjuku-ku, Tokyo,  
163-1130, Japan  
Phone: +81-3-5323-6620  
Fax: +81-3-5323-6621  
Email: [world@glsc.co.jp](mailto:world@glsc.co.jp)  
Web: [www.glsciences.com](http://www.glsciences.com)

#### GL Sciences B.V.

De Sleutel 9  
5652 AS Eindhoven  
The Netherlands  
Phone: +31 (0)40 254 95 31  
Email: [info@glsciences.eu](mailto:info@glsciences.eu)  
Web: [www.glsciences.eu](http://www.glsciences.eu)

#### GL Sciences (ShangHai) Ltd.

Tower B, Room 2003,  
Far East International Plaza,  
NO,317 Xianxia Road,  
Changning District.  
Shanghai, China P.C. 200032  
Phone: +86 (0)21-6278-2272  
Email: [contact@glsciences.com.cn](mailto:contact@glsciences.com.cn)  
Web: [www.glsciences.com.cn](http://www.glsciences.com.cn)

#### GL Sciences, Inc. USA

4733 Torrance Blvd. Suite 255  
Torrance, CA 90503  
Phone: 310-265-4424  
Fax: 310-265-4425  
Email: [info@glsciencesinc.com](mailto:info@glsciencesinc.com)  
Web: [www.glsciencesinc.com](http://www.glsciencesinc.com)

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