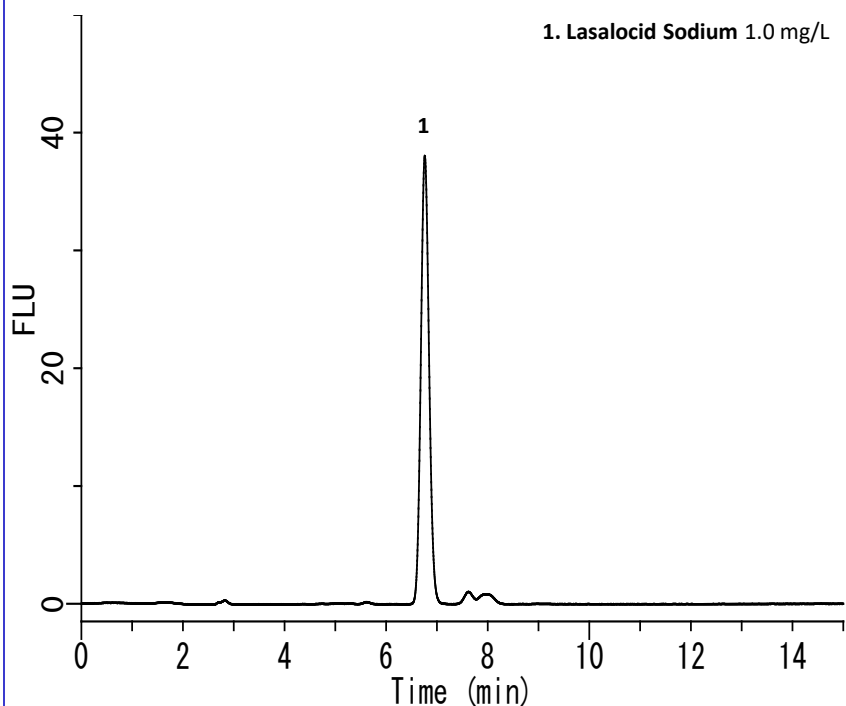


This year, we developed an analytical method for lasalocid sodium, a polyether antibiotic. In a previous report, we introduced a simultaneous analysis of polyether-based antibiotics using a post-column HPLC method. These compounds are considered difficult to analyze by post-column methods. However, unlike 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 μ m, 250 x 4.6 mm I.D.)

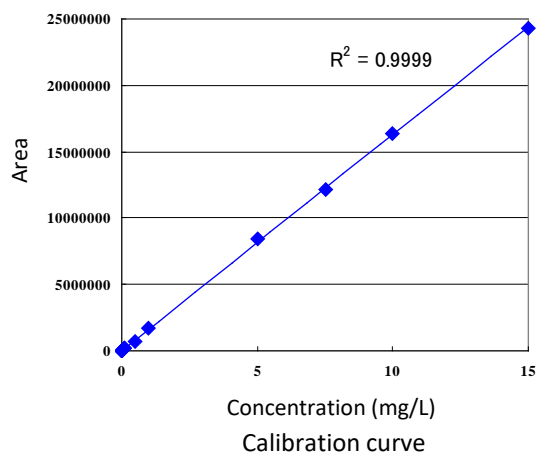
Eluent : A) CH₃OH
B) 20 mM phosphate buffer
A/B = 90/10 v/v, 1.0 mL/min

Temperature : 40 °C

Detector : FL Ex 310 nm Em 420 nm

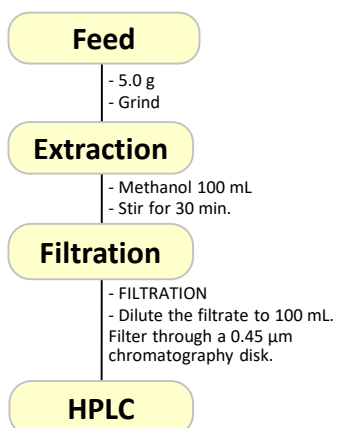
Injection volume : 20 μ L

*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.

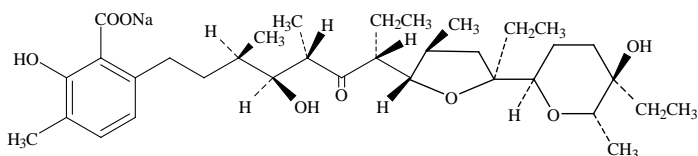


Measurement example

Example of pretreatment



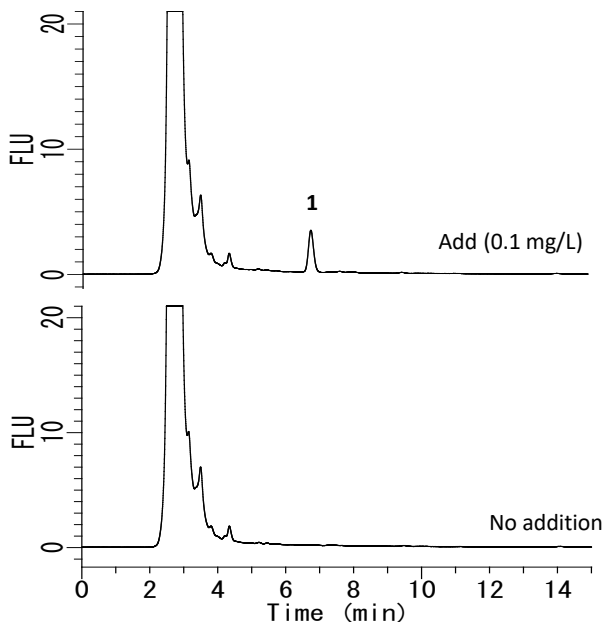
Structural formula



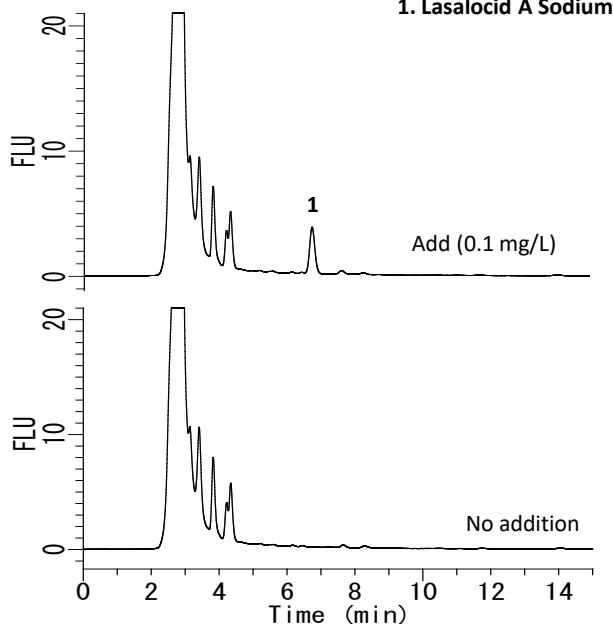
Lasalocid Sodium

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
Web: 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
Web: 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
Web: 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
Web: www.glsciencesinc.com

International Distributors

Visit our Website at www.glsciences.com/distributors