

Product Data Sheet

Product Name: Lasalocid sodium

Cat. No.: GC36427

Chemical Properties

Cas. No. 25999-20-6

SMILES O=C([O-])C1=C(CC[C@@H](C)[C@H](O)[C@H](C)C([C@@H]([C@H]2O[C@@]([C@H]3CC[C@](O)(CC)[C@H](C)O3)(CC)C[C@@H]2C)CC)=O)C=CC(C)=C1O.[Na+]

Formula $C_{34}H_{53}NaO_8$ M.Wt 612.77

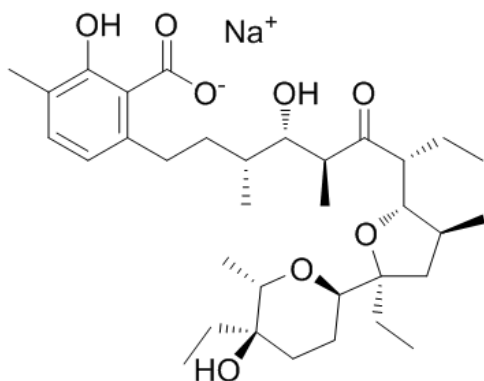
Solubility DMSO: 100 mg/mL (163.19 mM);
Water: < 0.1 mg/mL (insoluble)

Storage Store at -20°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

Lasalocid sodium (Sodium lasalocid) treatment led to an increase in cell wall thickness, whilst the quantity and sugar composition of the cell wall remained unchanged in BY-2 cells. Lasalocid sodium (Sodium lasalocid) treatment enhances enzymatic saccharification efficiency in both BY-2 cells and

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

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Arabidopsis plants

[1]. Okubo-Kurihara E et al. Modification of plant cell wall structure accompanied by enhancement of saccharification efficiency using a chemical, lasalocid sodium. Sci Rep. 2016 Oct 3;6:34602.

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