

685221	Lot: 812873
Lasalocid A sodium salt	

1. General Information

Formula	C34H53NaO8	Expiry Date	01 Sep 2026
Mol. Weight	612.77g/mol	Store at	4°C (in the dark)
CAS-No.	25999-20-6		

2. Batch Analysis

Identity	confirmed by LC-MS		
Overall Purity	96.40 % (g/g)	Expanded Uncertainty	0.50 % (g/g)
Assay Purity (HPLC)	96.40 % (g/g)	Uncertainty	0.25 % (g/g)

Certified on 09 Sep 2022



by Philipp Schwarzenberger

The overall purity is calculated by: $\text{Purity}(\%) = \frac{\text{Assay purity} \times (100 - \text{water content} - \text{impurities})}{100}$

The reported uncertainty U is an expanded uncertainty according to EURACHEM / CITAC guide CG4 – Quantifying Uncertainty in Analytical Measurement. The Uncertainty is based on the combined uncertainties, including uncertainties of characterization and stability testing. The expiry date is based on the current knowledge and holds only for proper storage conditions in the originally closed flask. If the substance is proven to be unstable under the given storage conditions, you will be contacted immediately. The warranty of this product is limited to the purchasing price of this product and to the first point of use.

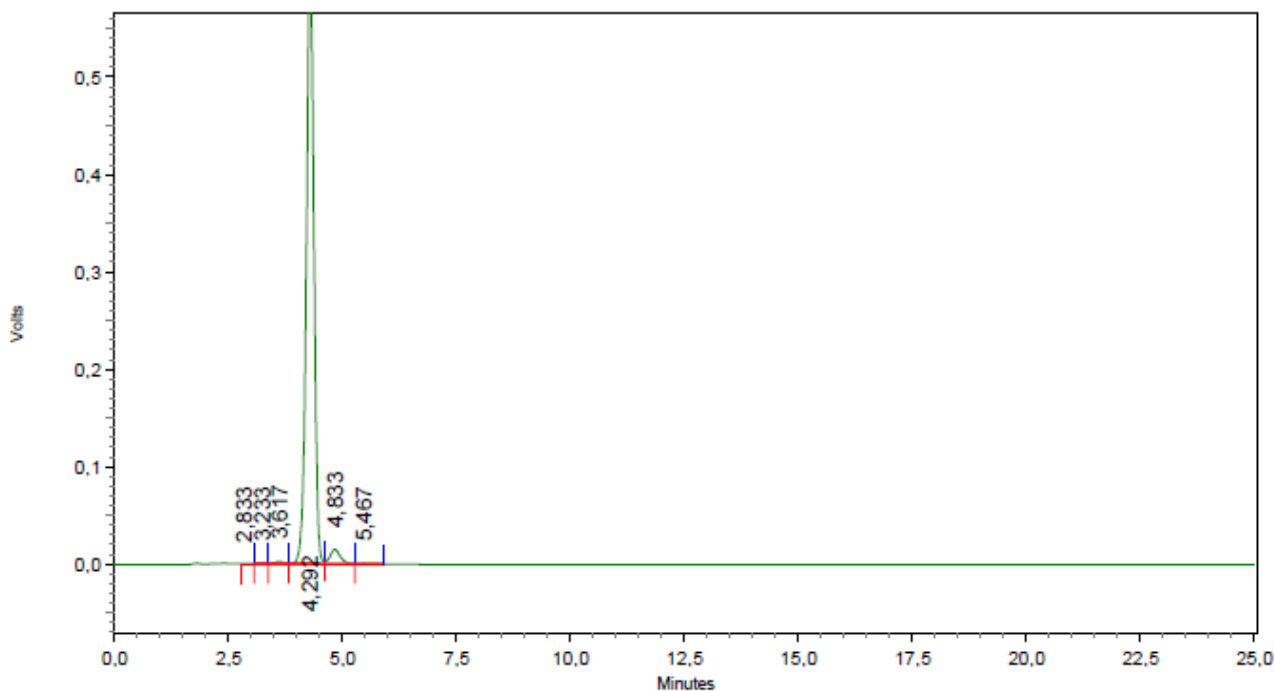
Our standards are for laboratory use only and can be used as reference material for calibration of chromatographic systems or related analytical techniques. For handling instructions see the MSDS. A minimum sample of 2 mg is recommended. Deploying less material will increase the uncertainty by a factor 2 for half of sample and 4 for a quarter of sample. The material in the vial can be used multiple times, but it is strongly recommended that all external negative influences to the material are considered and ruled out (e.g. high temperatures, UV-radiation, moisture, oxygen). It is strongly recommended to open the vial at room temperature only and handle the material under inert gas if necessary. The integrity of the purity cannot be guaranteed if the substance is handled under unfavorable conditions.

The balances used are calibrated with weights traceable to the national standards (DKD).

The HPC Standards GmbH, accredited by DAkkS as indicated by the accreditation number D-RM-20844-01-00, has shown competence based on ISO 17034:2017 for production of certified reference materials.

HPLC-Method

Article 685221
 Lot-No. 812873
 Column L=250mm, ID=4.6mm; Luna-Omega C18, 5µm
 Eluent Acetonitrile/0.1% Phosphoric acid (Water) 90/10
 Flow 1.0 ml min⁻¹
 Detector UV-220nm
 Injection-Volume 5µl
 Sample 0.3 mg ml⁻¹ (Eluent)



Detector A - 1 (220nm)

Retention Time	Height	Area	Area Percent
2,833	45	430	0,01
3,233	588	5326	0,07
3,617	2355	29454	0,40
4,292	608894	7040708	96,21
4,833	14978	234906	3,21
5,467	371	6946	0,09

Totals	627231	7317770	100,00
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Exemplary chromatogram of given method.

Version	Article	Lot	Reason for Change	Date
1	685221	812873	Initial Version	09 Sep 2022