

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

10450000 Benazolin

CA 4-Chloro-2-oxo-3(2H)-benzothiazoleacetic acid

IUPAC 4-Chloro-2,3-dihydro-2-oxo-1,3-benzothiazol-3-ylacetic acid

Formula C₉H₆ClNO₃S

Mol.Weight 243.7

CAS No. 3813-05-6

Reference Materials for Residue Analysis

Expiry Date 12.08.2016

Lot Number 10812

Store at 20 °C ±4 °C

Please note: The expiry date is valid under recommended storage conditions only.

Toxicological Data



R Code

S Code

LD50 (Rats female/male in mg/kg) 3200

Physical Data

Phase crystalline solid

Color colourless

Melt.Range 194,1 °C

Vapour pressure 36 nPa calc. at 20 °C

Solubility in water 0.6 g/l at 20 °C

Boiling Range (lit.)

Analytical Data

Detection: HPLC/DAD

Column: ReproSil 100 C18 5µ 250x3

Inj.-Vol.: 10,00 µl

Flow: 1,0 ml/min

Ret.-Time: 2,24 min.

Method Details:

Acetonitrile:H₂O+0,5% H₃PO₄ 1:1

Identity: RT, UV

Comment purity was confirmed by external standard method

Water Content 0,1 % Determined by Karl-Fischer Titration

Det. Purity 99,0 % Tolerance/Uncertainty +/- 0,5 %

The uncertainty/tolerance of this standard is calculated in accordance with the EURACHEM/CITAC Guide - Quantifying Uncertainty in Analytical Measurement - Second Edition. The uncertainty given is the expanded combined uncertainty and represents an estimated standard deviation equal to the positive square root of the total variance of the uncertainty of components. The expanded uncertainty is U which is $Uc(y) \cdot K$, where K is the coverage factor at the 95% confidence level (K=2). The expanded uncertainty is based on the combination of uncertainties associated with each individual operation involved in the preparation of this product.

Certified on 19.04.2012

by P. Feuerriegel



REF. NO.: 2074-01

The Laboratory Labor Dr. Ehrenstorfer-Schäfers is accredited by DGA as indicated by the Accreditation Certificate DGA-PL-4536.00 based on DIN EN ISO/IEC 17025:2005 for the weighing of amounts of substances for the preparation of standard solutions.

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The warranty for this product is limited to the purchasing price of this product.



DGA-PL-4536.00

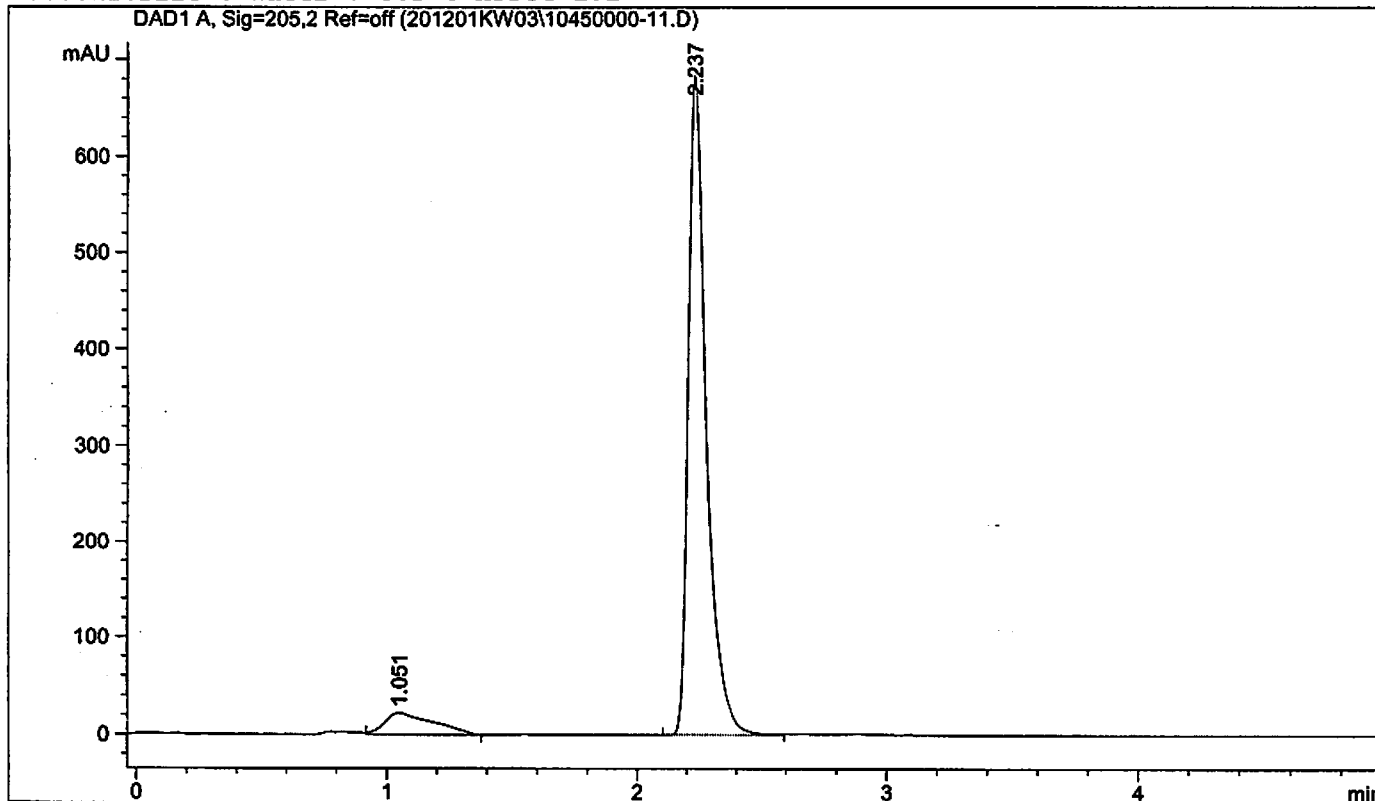
Sample Name: 10812ME 10812

*25.1.13
Remy*

Benazolin

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Injection Date : 20.01.2012 03:07:02      Seq. Line : 54
Sample Name    : 10812ME 10812            Location  : Vial 47
Acq. Operator  :                          Inj      : 1
Acq. Instrument : Instrument 1             Inj Volume : 10 µl
Method         : D:\CHEM32\1\METHODS\11PK.M
Last changed   : 23.09.2011 08:29:25
Acetonitrile   : Water + 0.5 % H3PO4 1:1
    
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Area Percent Report
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Sorted By      :      Retention Time
Multiplier     :      1.0000
Dilution       :      1.0000
Use Multiplier & Dilution Factor with ISTDs
    
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Signal 1: DAD1 A, Sig=205,2 Ref=off

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	1.051	1	VB	298.44128	22.43890	7.9645
2	2.237	1	BV	3448.70239	684.15948	92.0355

Totals : 3747.14368 706.59839

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 *** End of Report ***