

Certificate of Analysis

Dr. Ehrenstorfer



Product Identification

10400000 Azocyclotin

CA 1H-1,2,4-Triazole, 1-(tricyclohexylstannyl)-

IUPAC Tri(cyclohexyl)-1H-1,2,4-triazol-1-yltin

Formula C₂₀H₃₅N₃Sn

Mol.Weight 436.21

CAS No. 41083-11-8


Reference Materials for Residue Analysis

Expiry Date 25.06.2016

Lot Number 20103

Store at 20 °C ± 4 °C

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

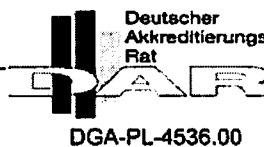
Toxicological Data  R Code 25-26-37/38-41-53 S Code 25-36-60-61 LD50 (Rats female/male in mg/kg) 76-150	Physical Data Phase crystalline solid Color colourless Melt.Range 209.4 °C Vapour pressure <5 mPa at 25 °C Solubility in water <0.12 g/l at 20 °C Boiling Range (lit.)
Analytical Data Detection: LC/MSD Column: ' Inj.-Vol.: 10.00 µl Flow: 0.5 ml/min Ret.-Time: 1.64 min. Method Details: Acetonitrile:H ₂ O+0,15% Formic acid 9:1	
Identity: MS, RT Comment Purity was confirmed by external standard method. Column: YMC-Pack ODS-AQ 3µm, 150x3mm.	
Water Content 0,1 % Determined by Karl-Fischer Titration Det. Purity 98,0 % Tolerance/Uncertainty +/- 2,0 % 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 U _c (y)*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 25.06.2012
by C. Neukom



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.

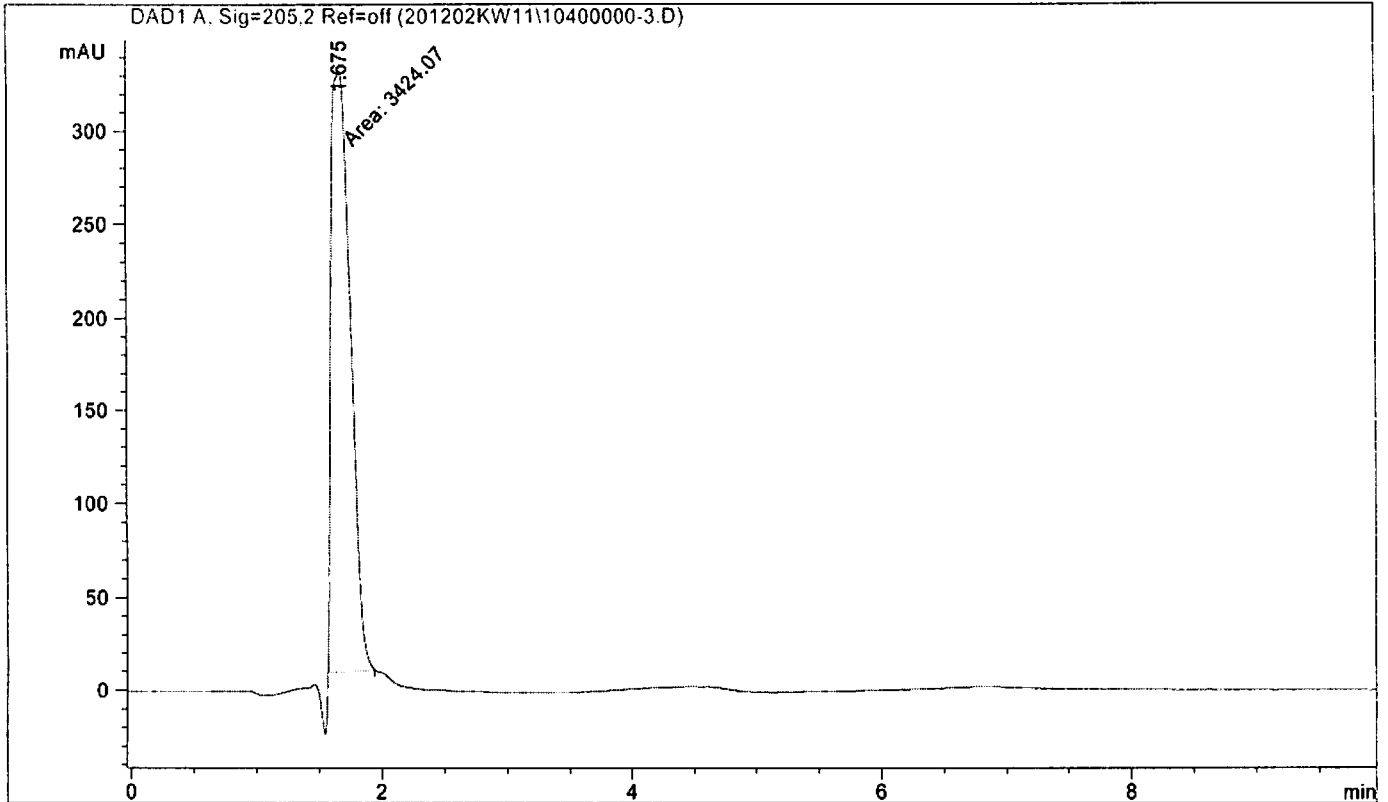
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The warranty for this product is limited to the purchasing price of this product.



Ue 3.4.17

Azocyclotin (Column: YMC-Pack ODS-AQ, 3µm, 150 x 3 mm)

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Injection Date : 16.03.2012 18:32:51 Seq. Line : 9
Sample Name : 20124ME 20103 Location : Vial 3
Acq. Operator : Inj : 1
Acq. Instrument : Instrument 1 Inj Volume : 10 µl
Different Inj Volume from Sequence ! Actual Inj Volume : 20 µl
Acq. Method : D:\CHEM32\1\METHODS\91MS_S2.M
Last changed : 27.02.2012 16:28:08
Analysis Method : D:\CHEM32\1\METHODS\91MS.M
Last changed : 20.02.2012 10:00:46
Acetonitrile : Water 9:1 + Formic acid



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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

Signal 1: DAD1 A, Sig=205,2 Ref=off

Peak #	RetTime [min]	Sig	Type	Area [mAU*s]	Height [mAU]	Area %
1	1.675	1	MM T	3424.06714	322.20822	100.0000

Totals : 3424.06714 322.20822

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*** End of Report ***