

Certificate of Analysis

Dr. Ehrenstorfer

Reference Materials for
Residue Analysis

Product Identification

15201300 Metronidazole-hydroxy

CA 1-(2-Hydroxyethyl)-2-hydroxymethyl-5-nitroimidazole

IUPAC 1-(2-Hydroxyethyl)-2-hydroxymethyl-5-nitroimidazole

Formula C₆H₉N₃O₄

Mol.Weight 187.15

CAS No. 4812-40-2

Expiry Date 01.03.2013

Lot Number 10328

Store at 4 °C ±4 °C

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

Toxicological Data



R Code 40

S Code 22-25

LD50 (Rats female/male in mg/kg) N/A

Physical Data

Phase crystalline solid

Color colourless

Melt.Range

Vapour pressure N/A at °C

Solubility in water N/A g/l at °C

Boiling Range (lit.)

Analytical Data

Detection: LC/MSD

Column: ReproSil 100 C18 5µ 250x3

Inj.-Vol.: 10,00 µl

Flow: 0,5 ml/min

Ret.-Time: 2,06 min.

Method Details:

Acetonitrile:H₂O+0,15% Formic acid 4:1

Identity: MS

Comment

Water Content Determined by Karl-Fischer Titration

Det. Purity 99,5 % 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 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 29.07.2011

by Dr. J. Heidrich



The Laboratory Labor Dr. Ehrenstorfer-Schäfers is accredited by DGA as indicated by the Accreditation Certificate DGA-PL-4536.03 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: 10328

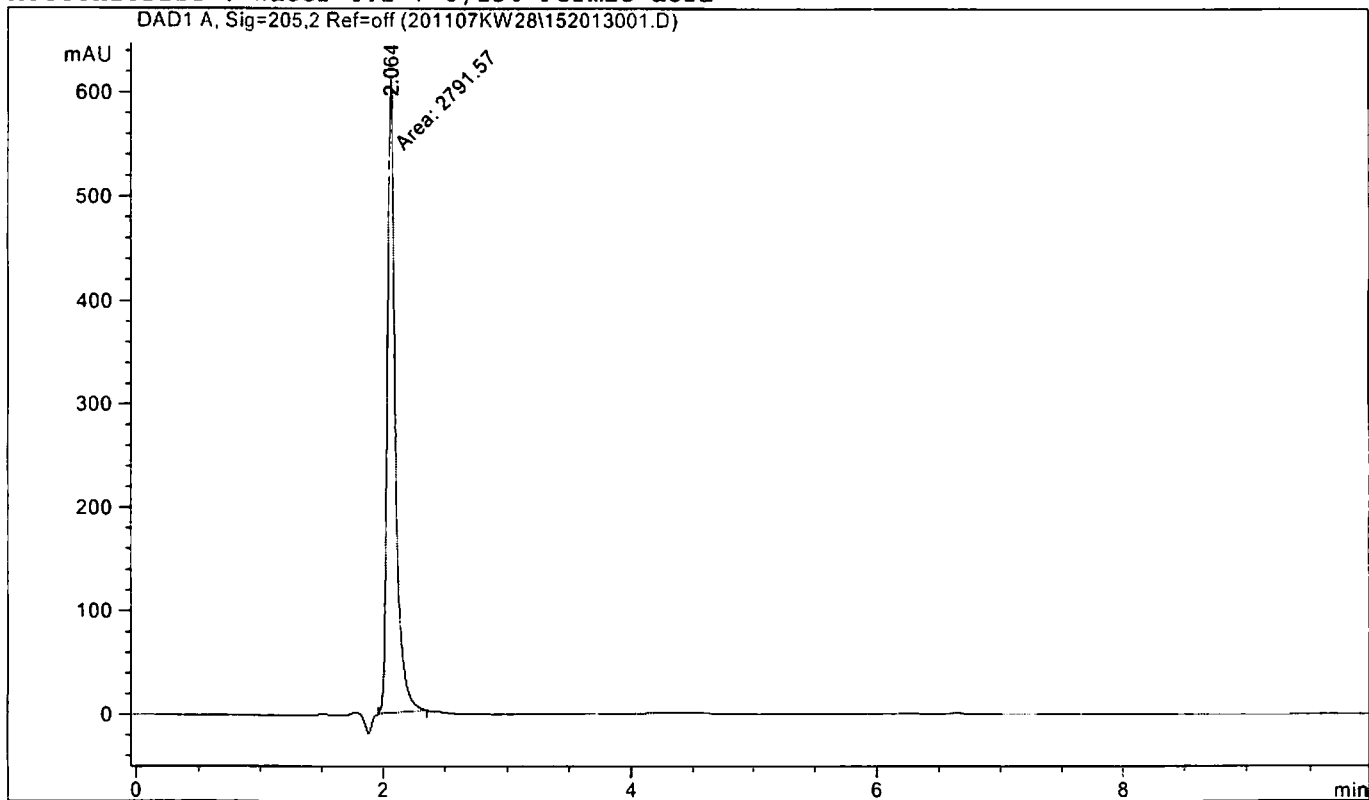
Metronidazole-hydroxy

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Injection Date   : 15.07.2011 02:24:00      Seq. Line :   42
Sample Name     :                        10328      Location  : Vial 71
Acq. Operator   :                        Inj       :    1
Acq. Instrument : Instrument 1              Inj Volume : 10 µl
Method          : D:\CHEM32\1\METHODS\41MS.M
Last changed    : 18.04.2011 12:10:52
Acetonitrile    : Water 4:1 + 0,15% Formic acid
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Miller
29.07.11



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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	2.064	1	MM T	2791.57104	615.65448	100.0000

Totals : 2791.57104 615.65448

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*** End of Report ***
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