the nature network®

PhytoLab

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Date: 11.04.19

Certificate of analysis

Batch: 77055797
Article: 83554 Praeruptorin B

Test	Unit	Limit	Testresult
Appearance, SOP 100005		powder	Conform
Color, SOP 100006		white	Conform
Solubility, SOP 105001:			Conform
Water		sparingly soluble	Conform
Chloroform		soluble	Conform
Identification (UV spectrum from HPLC-DAD analysis) according to specification, SOP 204311		Conform	Conform
Identification (IR-spectroscopy, Ph.Eur. 9.0, 2.2.24)/USP 39 NF 34 <197>), SOP 206000		Conform	Conform
Identification (1H-NMR-spectroscopy), (outsourced), SOP 206010		Conform	Conform
Identification (13C-NMR-spectroscopy), (outsourced), SOP 206020		Conform	Conform
Water content, (micro determination, coulometric titration), Ph.Eur. 9.4., 2.5.32, SOP 304291:			
Mean value	%		< 0.2
Peakpurity, (HPLC), SOP 401367		Conform	Conform
Praeruptorin B (HPLC), method 1 (% AU), SOP 441282	%	> = 98.00	99.89

Certificate of analysis

Batch: 77055797
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Test	Unit	Limit	Testresult
Residual solvents, (headspace-GC), SOP 805765:			
Residual solvents	%		0.06
Inorganic impurities, (ICP-MS), for reference substances, SOP 811701:			
Sodium	%		< 0.1
Potassium	%		< 0.1
Magnesium	%		< 0.1
Calcium	%		< 0.1
Aluminium	%		< 0.1
Phosphorus	%		< 0.1
Content*, SOP 890000	%		100

Assessment:
The above mentioned reference substance meets the specification.

*The absolute content is calculated considering the chromatographic purity, and if available, the content of water, residual solvents and inorganic impurities according to the following formula: Content = (100% - water content (%) - residual solvents (%) - inorganic impurities (%)) x chromatographic purity (%) / 100.

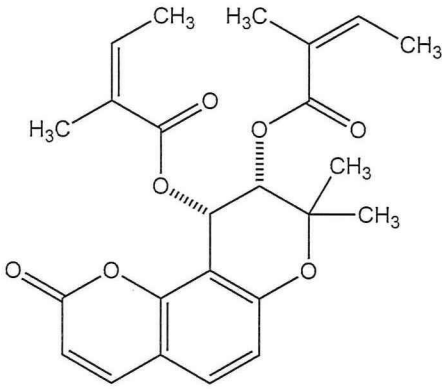
The chromatographic purity is checked regularly: the last analysis has been performed in October 2015.

The reference substance cannot be documented with an expiry date. The pack is closed an is recommended to be stored as indicated. The unopened product is guaranteed to fulfill the specifications of this analytical report for a period of 60 months. Once opened we can no longer guarantee the stability of the material.

Vestenbergsgreuth, 11.04.19

Dr. Jan Glaser
Manager Reference Substances

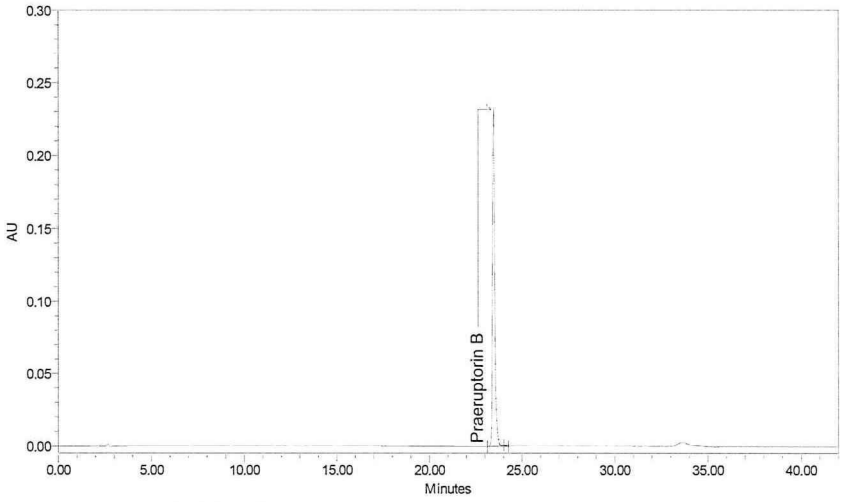
DATA SHEET

Name of the reference substance		Praeruptorin B
Article number		83554
Structural formula		
CAS – No	[73069-26-8]	
Molecular formula	$C_{24}H_{26}O_7$	
Molecular weight	426.47 g/mol	
Production		Praeruptorin B is isolated from plant material
Manufacturer / Supplier		PhytoLab GmbH & Co. KG Dutendorfer Straße 5-7 91487 Vestenbergsgreuth Phone: +49 - 9163 – 88 327 Fax: +49 - 9163 – 88 456
Country of origin		GERMANY
Use		Solely for R&D and analytical purposes. Not be used for medicinal applications or any other purposes.
Transport storage conditions		at room temperature, no cooling required
Long-term storage conditions		at + 4 °C, dry, in the dark

The data is based on current knowledge.
It only gives a general description of the compound and is no guarantee of its quality.

DATA SHEET

Sample Chromatogram



Peak Results

	Name	RT	Area	% Area
1	Praeruptorin B	23.466	1981788	99.90
2		24.097	2028	0.10
Sum				100.00

Analytical Conditions:

Column: Synergie Max-RP, 250 x 4.6 mm, 4 µm

Mobile Phase: eluent A: H_2O pH 2.0 (H_3PO_4)
eluent B: CH_3OH

Mode: gradient

Time [min]	Eluent A [%]	Eluent B [%]
0	80	20
20	10	90
30	10	90
32	80	20

Flow: 1.0 ml/min

Injection Volume: 20 µl

Temperature: 35 °C

Sample concentration: approx. 5.1 mg/100 ml, dissolved in 60% CH_3OH

Detection: UV, 320 nm

Please note: Values on the certificate of analysis may vary as these are average values of at least six injections while above chromatogram and report is only one example.

Non-integrated peaks originate from the blank injection.