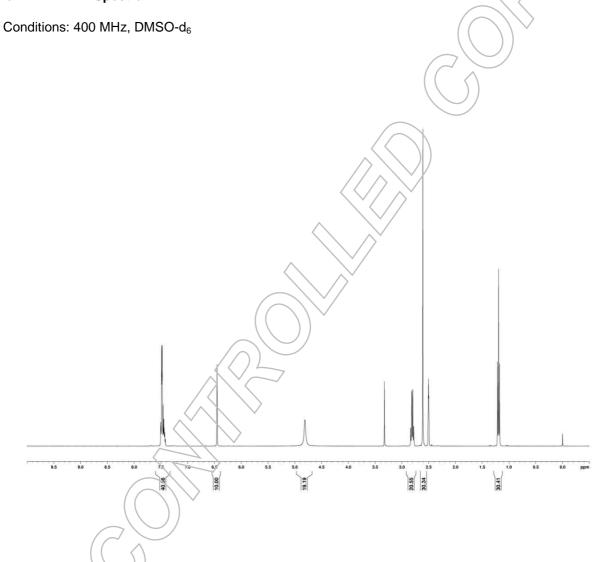


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The identity of the reference substance was established by following analyses.

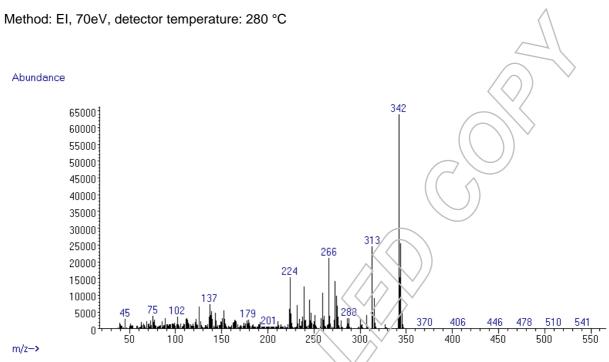
¹H-NMR Spectrum la.



The structure is confirmed by the signals of the spectrum and their interpretation.



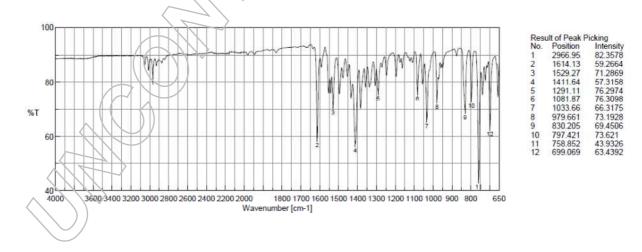




The signals of the mass spectrum and their interpretation are consistent with the structural formula.

Ic. IR Spectrum

Method: Attenuated Total Reflection Fourier Transform Infrared (ATR-FTIR) Spectroscopy



The signals of the IR spectrum and their interpretation are consistent with the structural formula.

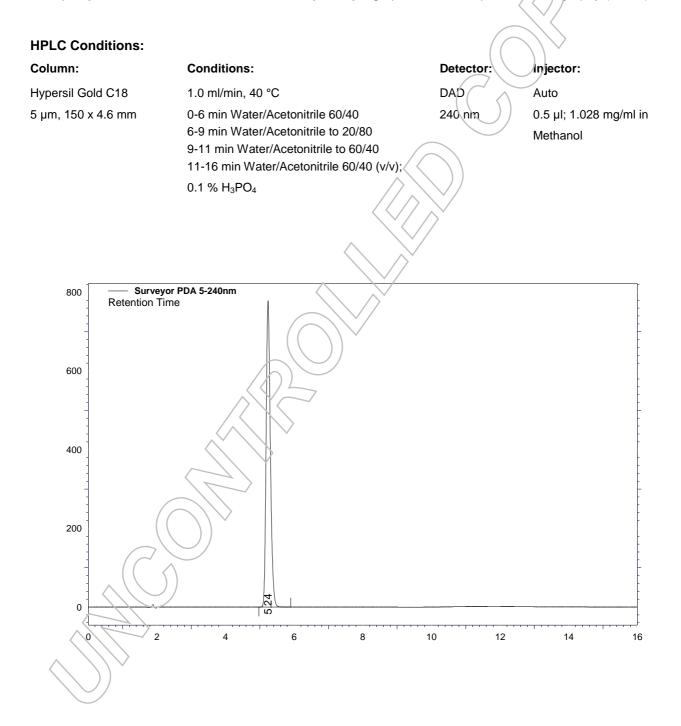


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IIa. High Performance Liquid Chromatography (HPLC)

The purity of the reference substance was analysed by high performance liquid chromatography (HPLC).







Area Percent Report - Sorted by Signal

			\land
Pk #	Retention Time	Area	Area %
1	5.24	6712674	100.00
Totals		6712674	100.00
For the calculation	the system peaks were igno	ored. The content of the ar	alyte was determined as ratio
of the peak area of	the analyte and the cumula	tive areas of the purities,	added up to 100 %.
			(\bigcirc)
Results:		\frown	
Average	100 %		
Number of results	n=3	\land	
Standard deviation	< 0.01 %		
		\wedge	
		\land	
	(
IIb. Water Conte	ent		
Method: Karl Fische	er titration	\bigcirc	
	()		
Decultor		7	
Results:			
Average	0.05 %		
Number of results	n=3		
Standard deviation	0.01 %		
(
((
llc. Residual So	lvents		
Method: H-NMR	,		
No significant amou	unts of residual solvents we	re detected (< 0.05 %).	
\smile			





Chromatographic purity (HPLC)10Water content0.Residual solventsNAssay (100 % method)199

100 % 0.05 % No significant amounts of residual solvents were detected (< 0.05 %). 99.95 %

The assay is assessed to be 99.95 % 'as is'

The assay 'as is' is equivalent to the assay based on the not anhydrous and not dried substance respectively.

Release Date: Luckenwalde, 2015-06-18

Dr. Sabine Schröder Product Release

¹ The calculation of the 100 % method follows the formula:

Assay (%) = (100 % - volatile contents) *

Purity (%) 100 %

Volatile contents are considered as absolute contributions, purity is considered as relative contribution.



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