

Compound Data Sheet

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I. Identity

The identity of this product was established using the following analyses:

Ia. ¹HNMR Spectrum

Conditions: 400 MHz, DMSO-d6

¹HNMR spectrum consistent with chemical structure.

Acquisition Time (sec)	3.7547	Comment	LBC266-193@11	H 1H DMSO {E:\dataexter	rnal\epichem} cygol	h 2			
Date	12 Jun 2019 17:1	0:24		Date Stamp	12 Jun 2019 17:1	0:24			
File Name	\\naphthalene\cor	mpany\NMR files\LBC266-	193@11H\1\pdata\	\1\1r		Frequency (MHz)	400.13		
Nucleus	1H	Number of Transients	8	Origin	spect	Original Points Count	24038		
Owner	nmr	Points Count	32768	Pulse Sequence	zq	Receiver Gain	144.00		
SW(cyclical) (Hz)	6402.05	Solvent	DMSO-d6	Spectrum Offset (Hz)	2797.6125	Spectrum Type	STANDARD		

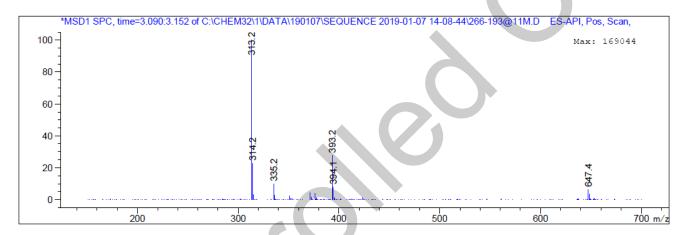
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Ib. Mass Spectrum

The mass spectrum of this material was analysed by Liquid Chromatography Mass Spectroscopy (LCMS) using in-house EM005.WI08.

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MS Signal: MSD1 TIC, MS File, ES-API, Pos, Scan, Frag: 70
Spectra averaged over upper half of peaks.
Noise Cutoff: 1000 counts.
Reportable Ion Abundance: > 10%.
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Retention	Mol. Weight			
Time (MS)	MS Area	or Ion		
3.117	2108824	393.20 I		
		314.20 I		
		313.20 I		



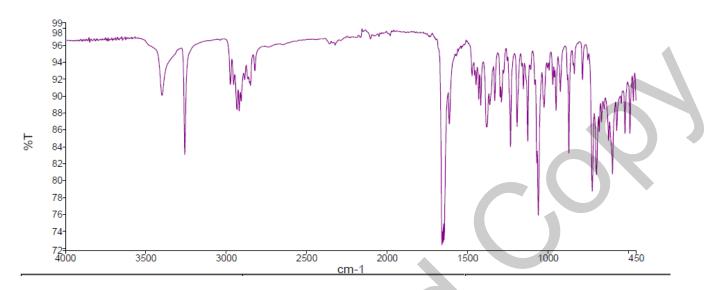
Theoretical value: 313.2 [M+H]⁺.

The signal of the Mass Spectrum is consistent with the theoretical value and its interpretation is consistent with the structural formula.

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Ic. IR Spectrum

The infra-red spectrum of this material was analysed by Fourier-Transform Infrared Spectroscopy (FTIR) using in-house EM005.WI09.



The interpretation of the signals of the Fourier-Transform Infrared Spectrum is consistent with the structural formula.

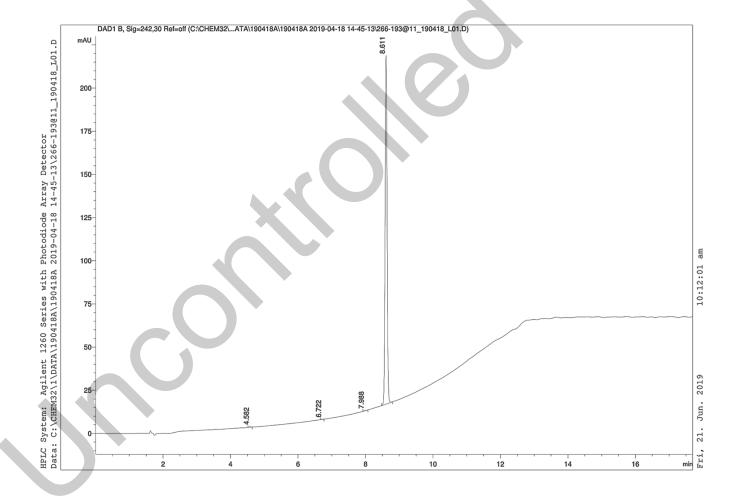
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II. Purity

The purity of this material was analysed by high performance liquid chromatography (HPLC) using in-house EM005.WI07.

HPLC Conditions:

Column	Conditions				Detector	Injector
Agilent Zorbax	25°C					Auto
SB-C18 4.6 x 250mm	Time (min)	% Line A (Water + 0.1% (v/v) TFA)	% Line B (Acetonitrile + 0.1% (v/v) TFA)	Flow rate (mL/min)	242nm	1.0 µL 1.0 mg/mL 100% acetonitrile
7.0 A 250IIIII	0.00	70	30	1.5		decionane
5.0 micron	5.30	40	60	1.5		
	10.30	5	95	1.5		
	15.90	5	95	1.5		
	16.50	70	30	1.5		
	22.20	70	30	1.5		



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Area Percent Report - Sorted by Signal

Peak Number	Retention Time (rounded)	Area	Area % (rounded)	
1	4.58	1.12	0.14	
2	6.72	0.18	0.02	
3	7.99	0.51	0.06	
4	8.61	812.32	99.78	
Totals			100 (rounded)	

For the calculation the system peaks were ignored. The content of the analyte was determined as a ratio of the peak area of the analyte and the cumulative areas of the purities, added up to 100%.

Results:

Average 98.0% (average duplicate analyses)

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