# **Supplementary Information**

# Diol Glycidyl Ether-Bridged Cyclens: Preparation and Their Applications in Gene Delivery

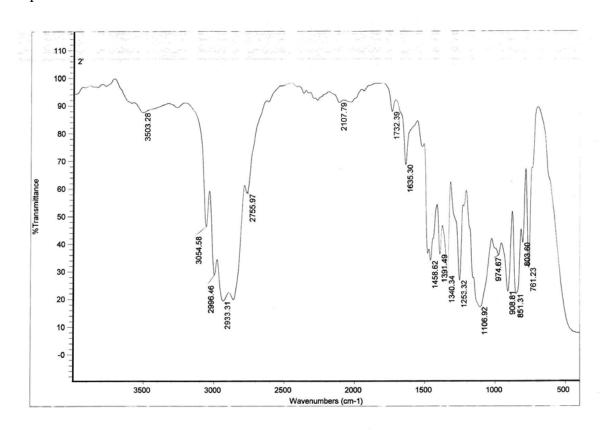
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Key Laboratory of Green Chemistry and Technology (Ministry of Education), College of Chemistry, and State Key Laboratory of Biotherapy, West China Hospital, Sichuan University, Chengdu 610064, People's Republic of China.

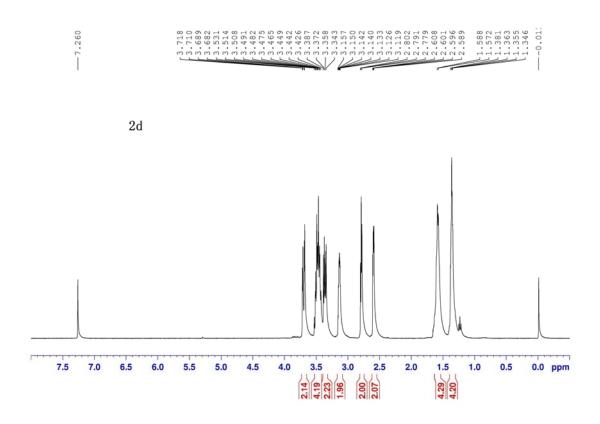
<sup>1</sup> These authors contributed equally to this work.

Characterization of compound 2d·····	S1
Characterization of compound 2e	S3
Characterization of polymers 5	S5
GPC sheets	S10

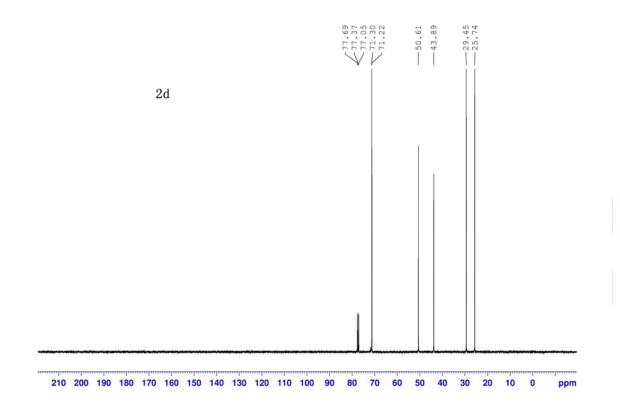
#### IR spectrum of 2d



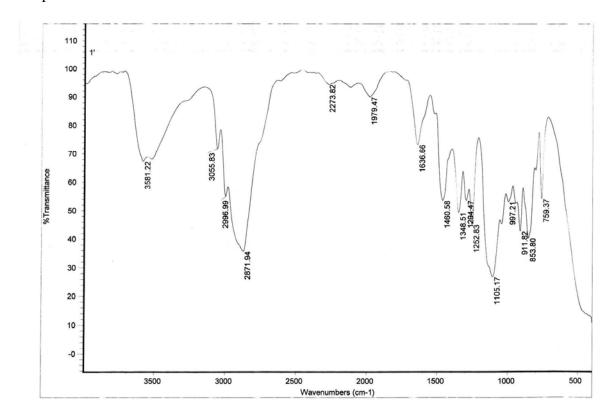
<sup>1</sup>H NMR spectrum of **2d** 



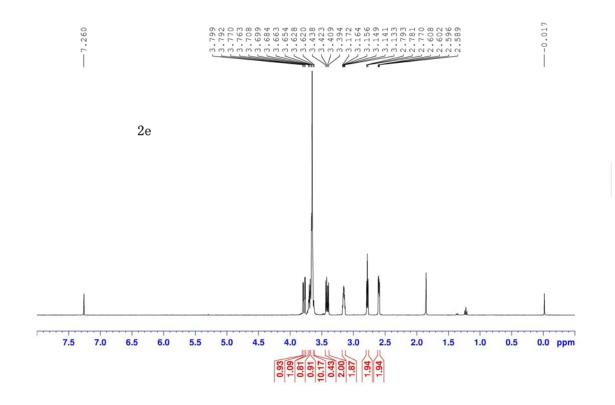
# <sup>13</sup>C NMR spectrum of **2d**



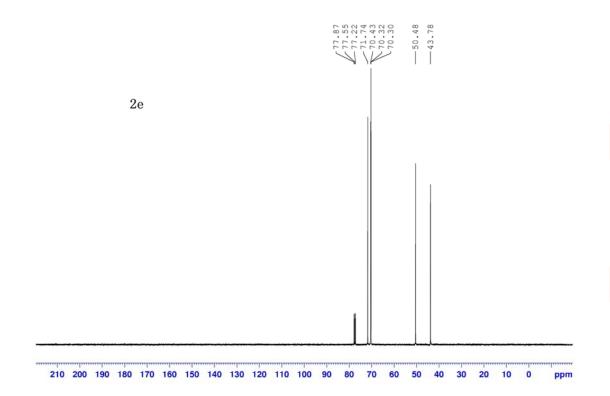
#### IR spectrum of 2e



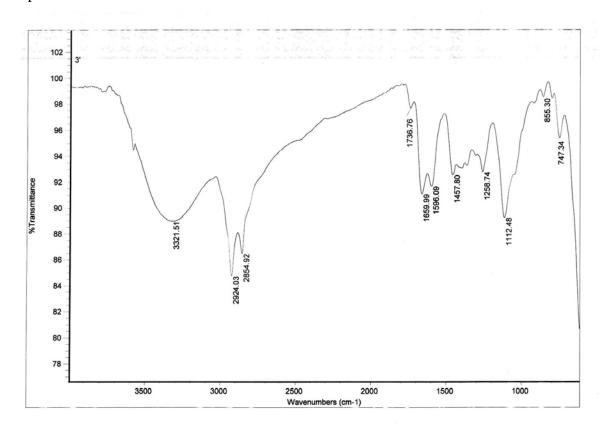
<sup>1</sup>H NMR spectrum of **2e** 



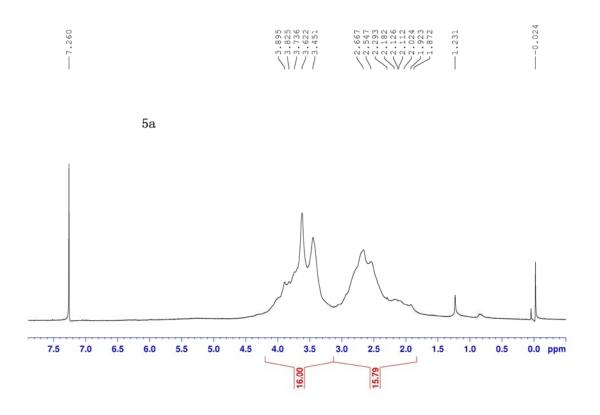
# <sup>13</sup>C NMR spectrum of **2e**



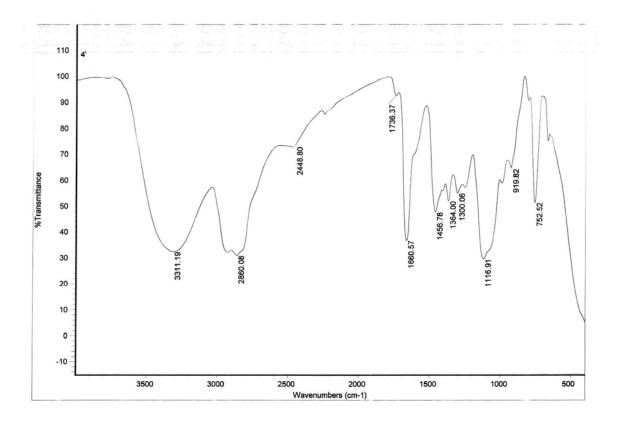
#### IR spectrum of **5a**



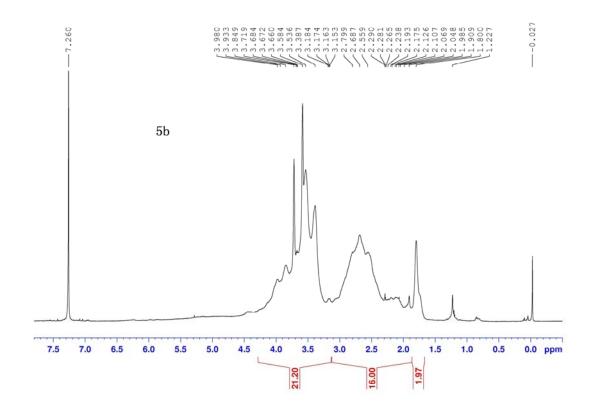
# <sup>1</sup>H NMR spectrum of **5a**



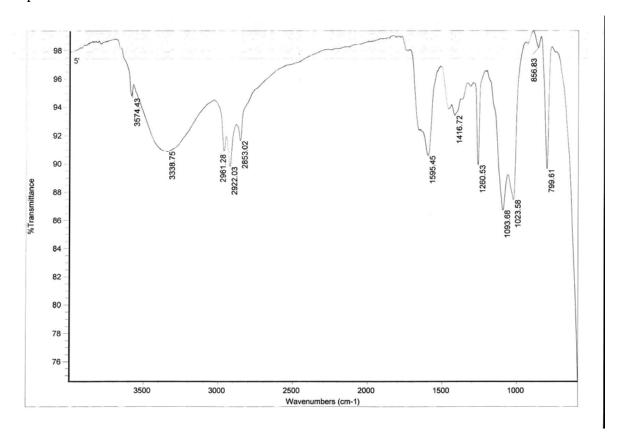
#### IR spectrum of **5b**



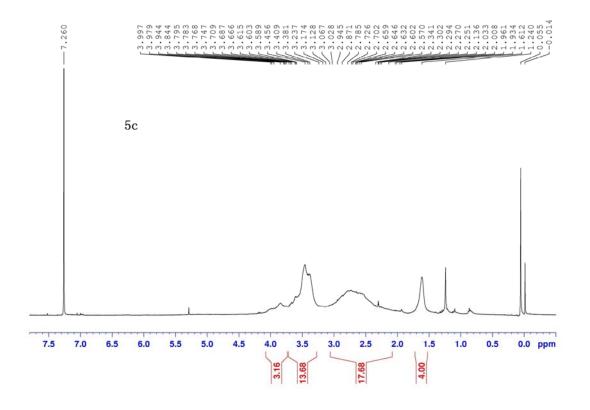
<sup>1</sup>H NMR spectrum of **5b** 



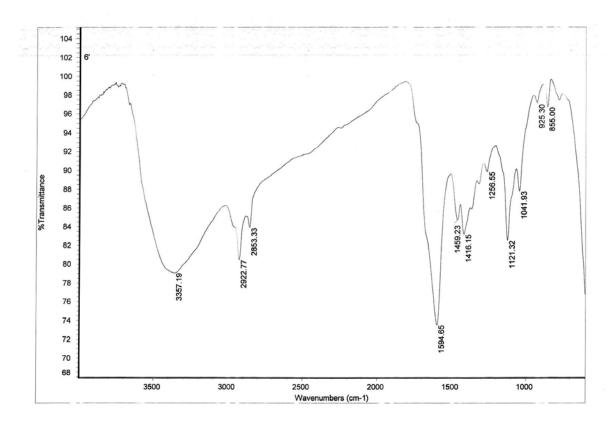
#### IR spectrum of **5c**



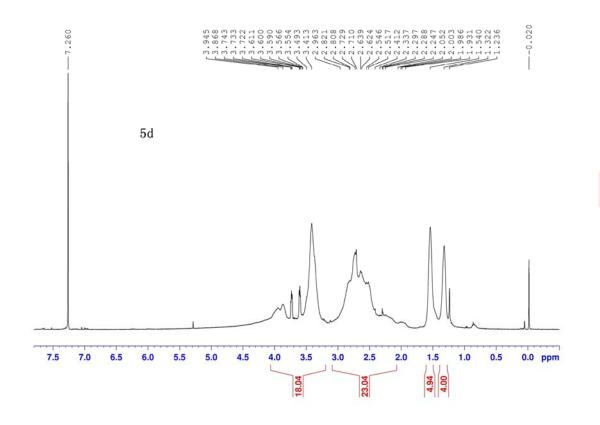
<sup>1</sup>H NMR spectrum of **5c** 



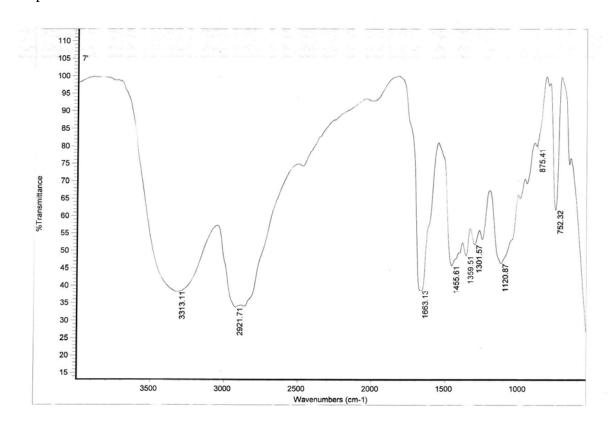
#### IR spectrum of **5d**



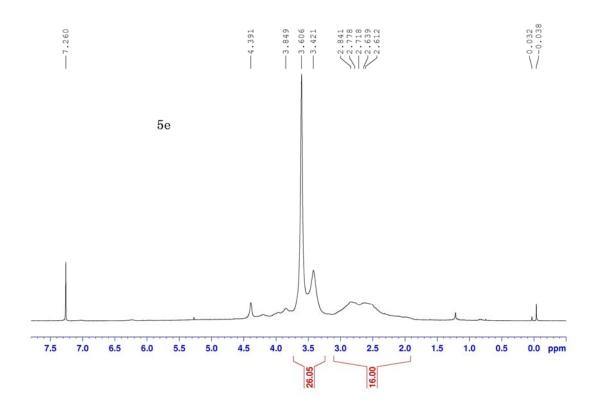
<sup>1</sup>H NMR spectrum of **5d** 



#### IR spectrum of **5e**



<sup>1</sup>H NMR spectrum of **5e** 



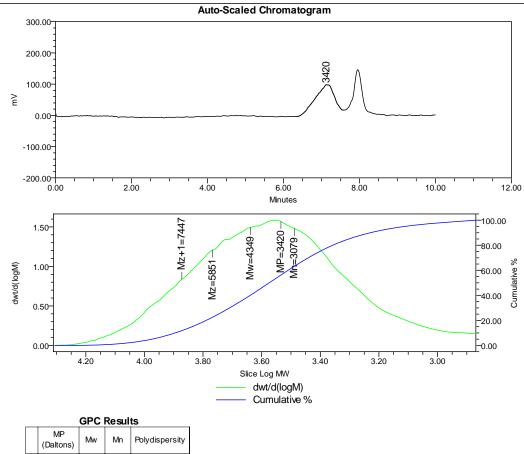


Reported by User: System Project Name:

送样单位:

检测单位: 中国科学院成都分院分析测试中心 检测人员: 龙远德 028-85223712

	SAMPLE	INFORMAT	ION
Sample Name: Sample Type: Vial: Injection #: Injection Volume: Run Time: Sample Set Name:	10.0 Minutes	Acquired By: Date Acquired: Acq. Method Set: Date Processed: Processing Method: Channel Name: Proc. Chnl. Descr.:	Satin Ch 1



GFC Results							
	MP (Daltons)	Mw	Mn	Polydispersity			
1	3420	4349	3079	1.41			

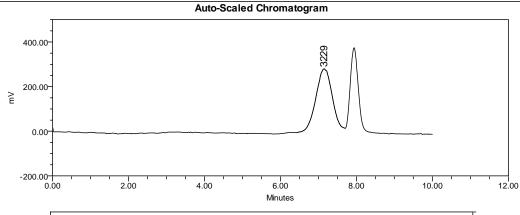


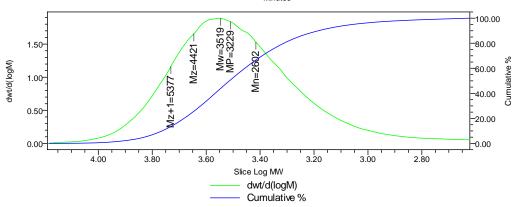
Reported by User: System Project Name: GPC

送样单位:

检测单位:中国科学院成都分院分析测试中心 检测人员:龙远德 028-85223712

	SAMPLE	INFORMAT	ION
Sample Name: Sample Type: Vial: Injection #: Injection Volume: Run Time: Sample Set Name:	Y-5-b Broad Unknown 1 3 10.00 ul 10.0 Minutes	Acquired By: Date Acquired: Acq. Method Set: Date Processed: Processing Method: Channel Name: Proc. Chnl. Descr.:	Satin Ch 1





GPC Results							
	MP (Daltons)	Mw	Mn	Polydispersity			
1	3229	3519	2602	1.35			

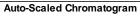


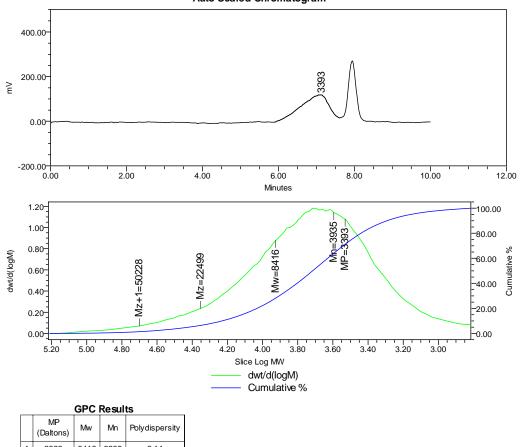
Reported by User: System Project Name:

送样单位:

检测单位: 中国科学院成都分院分析测试中心 检测人员: 龙远德 028-85223712

	SAMPLE	INFORMAT	ION
Sample Name: Sample Type: Vial: Injection #: Injection Volume: Run Time: Sample Set Name:	Y-5-c Broad Unknown 1 4 10.00 ul 10.0 Minutes	Acquired By: Date Acquired: Acq. Method Set: Date Processed: Processing Method: Channel Name: Proc. Chnl. Descr.:	Satin Ch 1





OI O Neaula						
	MP (Daltons)	Mw	Mn	Polydispersity		
1	3393	8416	3935	2.14		

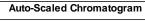


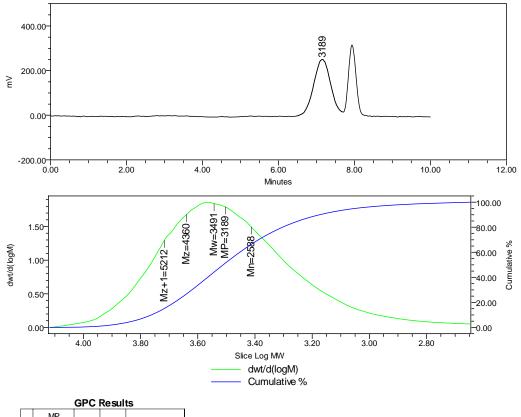
Reported by User. System Project Name: GPC

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	SAMPLE	INFORMAT	ION
Sample Name: Sample Type: Vial: Injection #: Injection Volume: Run Time: Sample Set Name:	10.0 Minutes	Acquired By: Date Acquired: Acq. Method Set: Date Processed: Processing Method: Channel Name: Proc. Chnl. Descr.:	Satin Ch 1





GPC Results						
	MP (Daltons)	Mw	Mn	Polydispersity		
1	3189	3491	2588	1.35		

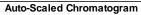


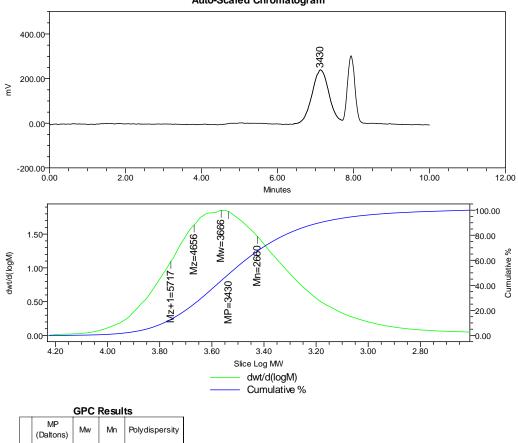
Reported by User: System Project Name:

送样单位:

检测单位: 中国科学院成都分院分析测试中心 检测人员: 龙远德 028-85223712

	SAMPLE	INFORMAT	ION
Sample Name: Sample Type: Vial: Injection #: Injection Volume: Run Time: Sample Set Name:	Y-5-e Broad Unknown 1 6 10.00 ul 10.0 Minutes	Acquired By: Date Acquired: Acq. Method Set: Date Processed: Processing Method: Channel Name: Proc. Chnl. Descr.:	Satin Ch 1





OI O Nesults							
	MP (Daltons)	Mw	Mn	Polydispersity			
1	3430	3666	2660	1.38			