Supporting information

New adducts of iriflophene and flavonoids isolated from *Sedum aizoon* L. with potential antitumor activity

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Figure S1. ¹H NMR spectrum (600 MHz, DMSO-*d*₆) of compound 1



Figure S2. ¹³C NMR spectrum (150 MHz, DMSO-*d*₆) of compound 1



Figure S3. HMBC spectrum (600 MHz, DMSO-d₆) of compound 1



Figure S4. HSQC spectrum (600 MHz, DMSO-d6) of compound 1



Figure S5. DEPT spectrum (135 spectrum)) of compound 1





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Figure S6. HRESIMS spectrum of compound 1



Figure S7. IR spectrum of compound 1



Figure S8. UV spectrum of compound 1



Figure S9. ¹H NMR spectrum (600 MHz, DMSO-*d*₆) of compound 2



Figure S10. ¹³C NMR spectrum (100 MHz, DMSO-*d*₆) of compound 2



Figure S11. HMBC spectrum (600 MHz, DMSO-*d*₆) of compound 2



Figure S12. HSQC spectrum (600 MHz, DMSO-d6) of compound 2





							_
326.0511		6911	.4				
337.1165		7401	.2				
338.3423		6002	.4				
371.2121		9537.2					
531.0907	1	22430.7		C28 H19	011	(M+H)+	
531.1221		1237	0.6				
532.0935	1	7615	.7	C28 H19	011	(M+H)+	
536.1639		9305	.5				
610.1792		6512	.5				
Formula Calc	ulate	or Ele	ment l	imits			
Element	Min		Max				
С		0	60				
н		0	120				
0		0	15				
N		0	0				
S		0	0				
Cl		0	0				
P		0	0				
В		0	0				
F		0	0				
Cu		0	0				
Co		0	0				
Formula Calc	ulate	or Re	sults	-			
Formula		Best	M	ass	Tgt Mass	Diff (ppm)	
C28 H18 O11		TR	UE	530.0834	530.0849	2.82	
C35 H14 O6				530.0834	530.079	-8.26	

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Figure S13. HRESIMS spectrum of compound 2



Figure S14. IR spectrum of compound 2

Spectrum Peak Pick Report



Data Set: 没有



Figure S15. UV spectrum of compound 2



Figure S16. ¹H NMR spectrum (600 MHz, DMSO-*d*₆) of compound 3



Figure S17. ¹³C NMR spectrum (100 MHz, DMSO-d₆) of compound 3



Figure S18. HMBC spectrum (600 MHz, DMSO-d₆) of compound 3

Figure S19. HSQC spectrum (600 MHz, DMSO-d6) of compound 3

Element	Min	Max	C				
С	() 6	i0				
н	(1	20				
0	() 1	5				
N	(0				
s	(0				
Cl	(0				
P	(0				
В	(0				
F	(0				
Cu	(0				
Co	(0				
Formula Ca	lculator R	esult	s				
Formula	Be	at	Mass	Tgt Mass	Diff (ppm)	Ion Species	Score
C28 H18 O12	: Т	RUE	546.0785	546.0798	2.44	C28 H19 O12	91.6
C35 H14 O7		- i	546.0785	546.074	-8.32	C35 H15 07	66.5

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Figure S20. HRESIMS spectrum of compound 3

Figure S21. IR spectrum of compound 3

Figure S22. UV spectrum of compound 3

Figure S23. ¹H NMR spectrum (600 MHz, DMSO-d₆) of compound 4

Figure S24. ¹³C NMR spectrum (150 MHz, DMSO-d₆) of compound 4

Figure S25. HMBC spectrum (600 MHz, DMSO-d₆) of compound 4

Figure S26. HSQC spectrum (600 MHz, DMSO-d6) of compound 4

Fragmentor Voltage 75			Collis	ion Energy 0	Ionization ESI	Ionization Mode ESI				
10.4 +E	SI Sc	can (0	.46	8 min) F	rag=75.0V S	AL-9-pos.d	Subtract (18)			
x10 -					575 1162		,			
4 75					575.1162					
1.75-										
1.5-										
1.25-										
1-										
0.75-										
0.5-										
0.25			358	.3684						
0.20	واستعد	ملير بيمد ر		بايران ا						
10	0 2	00 3	юo	400 5	500 600 7	00 800 9	0 1000 1100 1	200 130	0 1400 1500 1600	
Darah Line					Cou	nts vs. Mass	-to-Charge (m/z)			
m/z	Z	Abun	d	Formula		Ion	1			
273.0393		1073					1			
358.3684		1638					1			
557,1054		1090								
575,1162	1	21268	.7	C30 H23 (012	(M+H)+				
575 1465	1	12164								
575 2111	-	1272 (c							
575,2111	1	6320	2	C20 H22 (012	(M+U)+				
576 1521	1	2022		C30 H23 (012	(arity)				
576,1331	1	1621	7	C20 H22 (012	(M+U)+				
577.125	1	11110	<u>,</u>	C30 H23 (012	(intri)t				
577.1516	-	1110.	, ,							
597.0977 Formula Cal	culate	1449.0 or Eler	5	t l imite			J			
Element	Min		Max							
с		0	6	0						
н		0	17	20						
0		0	3	0						
N	-	0	()						
s	+	0	(
<u>d</u>	-	0	-	-						
D.	+	ŏ	-							
B.	+	0	-	<u> </u>						
F	+	0	-	<u></u>						
Ou	+	0	-	<u> </u>						
<u>Co</u>	+	0	-	<u> </u>						
 Formula Cal	culate	or Res	ults							
Formula		Best		Mass	Tgt Mass	Diff (ppm)	Ion Species	Score		
C30 H22 O12		TRU	E	574.109	574.1111	3.77	C30 H23 O12	89.68		
C37 H18 O7				574.109	574,1053	-6.46	C37 H19 O7	68.86		

Qualitative Analysis Report

Formula Calculator Results										
Formula	Best	Mass	Tgt Mass	Diff (ppm)	Ion Species	Score				
C30 H22 O12	TRUE	574.1112	574.1111	-0.08	C30 H21 O12	98.97				

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Figure S27. HRESIMS spectrum of compound 4

Figure S28. IR spectrum of compound 4

Spectrum Peak Pick Report FIELD TEXT

Data Set: 没有

Figure S29. UV spectrum of compound 4