

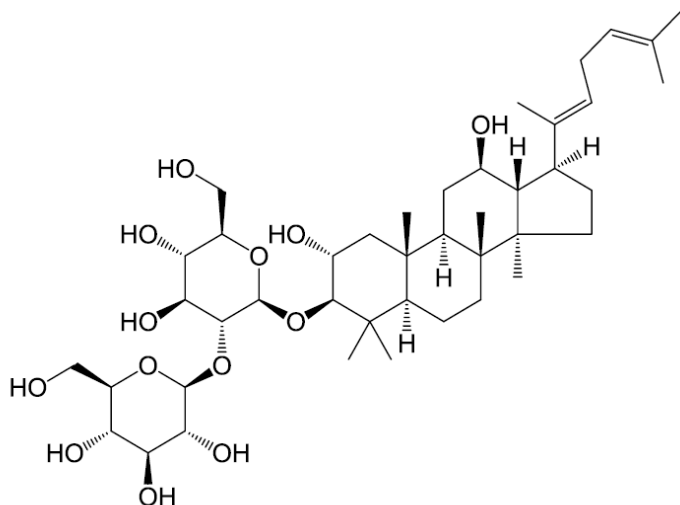
## Damulin A

**Cat#: orb702774 (CoA)**

### Product Information

Batch Number

orb702774



Product Name

Damulin A

CAS Number

1202868-74-3

Chemical Formula

C<sub>42</sub>H<sub>70</sub>O<sub>13</sub>

Molecular Weight

783.00

### Test Item and Result

Test	Specification	Result	Other
Appearance	White solid, soluble in methanol	conforms	
HPLC	≥95.0% (area normalization method)	96.80%(205 nm)	Chromatogram1
MS	Conform to the structure	conforms	Chromatogram2
NMR	Conform to the structure	conforms	Chromatogram3

**Conclusion:** By quality inspection, this product conforms with the corporation standard.

### Caution

### Storage

### Directions

Store at -20°C, dry place, avoid light.  
It is used instantly after preparation  
only for technology application.

**Notice**

If any quality problem, please contact us within 15 days after receiving. Thanks for your purchase!

**Figure 1 : HPLC**

Instrument: Agilent 1100;

Chromatographic column: COSMOSIL C18-PAQ, 4.6\*250 mm, 5µm;

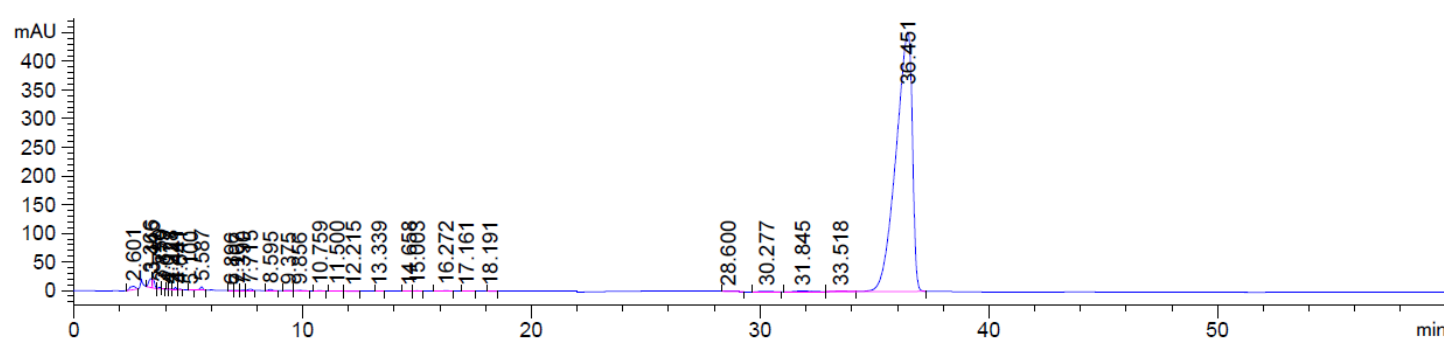
Mobile phase: Acetonitrile -0.1%Phosphoric acid solution 42: 58

Flow rate: 1.0ml/min;

Column temperature: 35 °C;

Detector: UV-205nm;

Concentration: 2.58 mg/ml (MeOH)



#	[min]		[min]	[mAU*s]	[mAU]	%
1	2.601	BBA	0.2145	103.85236	6.10343	0.4485
2	3.366	BV	0.1306	155.94165	15.68202	0.6735
3	3.445	VB	0.1063	101.33527	15.31536	0.4377
4	3.750	BV	0.0986	18.12348	2.65487	0.0783
5	3.879	VBA	0.0828	5.52222	1.05746	0.0238
6	4.077	BV	0.0883	1.99145	3.57558e-1	8.601e-3
7	4.228	VV	0.0878	6.34674	1.03196	0.0274
8	4.441	VB	0.1024	22.19227	3.27431	0.0958
9	4.641	BBA	0.0871	6.82337	1.24813	0.0295
10	5.100	BV E	0.0995	1.69377	2.40942e-1	7.315e-3
11	5.587	VBAR	0.1373	55.89631	6.02792	0.2414
12	6.896	BV	0.1639	4.13856	3.62282e-1	0.0179
13	7.107	VB	0.1339	4.17085	4.64436e-1	0.0180
14	7.390	BV	0.1160	7.76692	1.02601	0.0335
15	7.715	VBA	0.1738	31.20068	2.73672	0.1348
16	8.595	BBA	0.1709	26.01167	2.38584	0.1123
17	9.375	BV	0.2139	13.39450	9.42416e-1	0.0578
18	9.856	VB	0.2935	21.66958	1.01195	0.0936
19	10.759	BB	0.2106	8.03583	5.98119e-1	0.0347
20	11.500	VV R	0.2639	8.98399	4.95556e-1	0.0388
21	12.215	VBA	0.2708	6.32474	3.10982e-1	0.0273
22	13.339	BB	0.1701	2.12225	1.66961e-1	9.166e-3
23	14.658	BV	0.1959	3.86198	2.38823e-1	0.0167
24	15.003	VV	0.2490	5.74367	3.04755e-1	0.0248
25	16.272	BB	0.2422	6.97793	3.95482e-1	0.0301
26	17.161	BB	0.2052	2.92352	1.80253e-1	0.0126
27	18.191	VB	0.2066	1.78901	1.05482e-1	7.727e-3
28	28.600	BB	0.3805	3.39960	1.07948e-1	0.0147
29	30.277	BB	0.4192	17.20877	5.12754e-1	0.0743
30	31.845	BB	0.5563	52.81224	1.16562	0.2281
31	33.518	BBA	0.4546	32.57104	8.49532e-1	0.1407
32	36.451	BBA	0.7645	2.24134e4	452.33093	96.8005
				2.31542e4	519.68682	

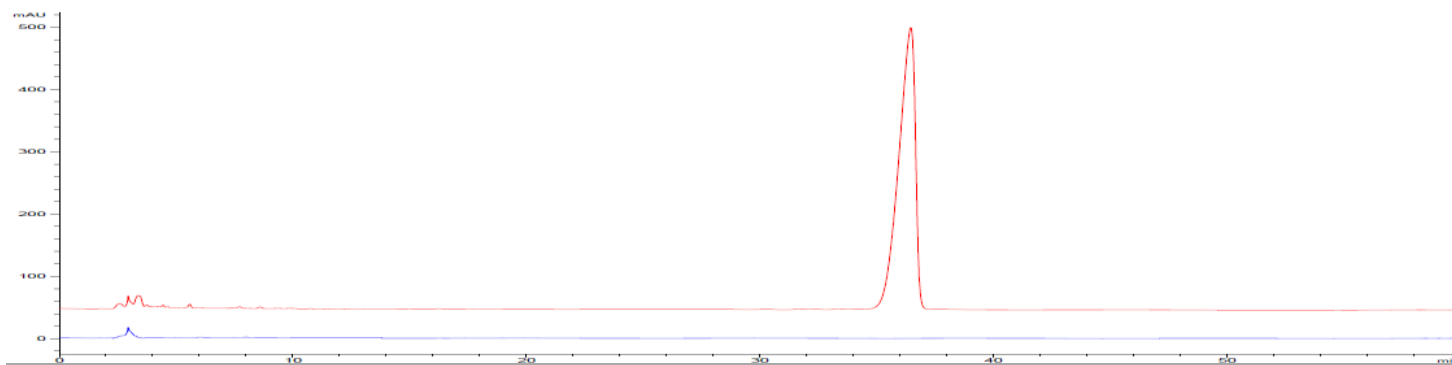
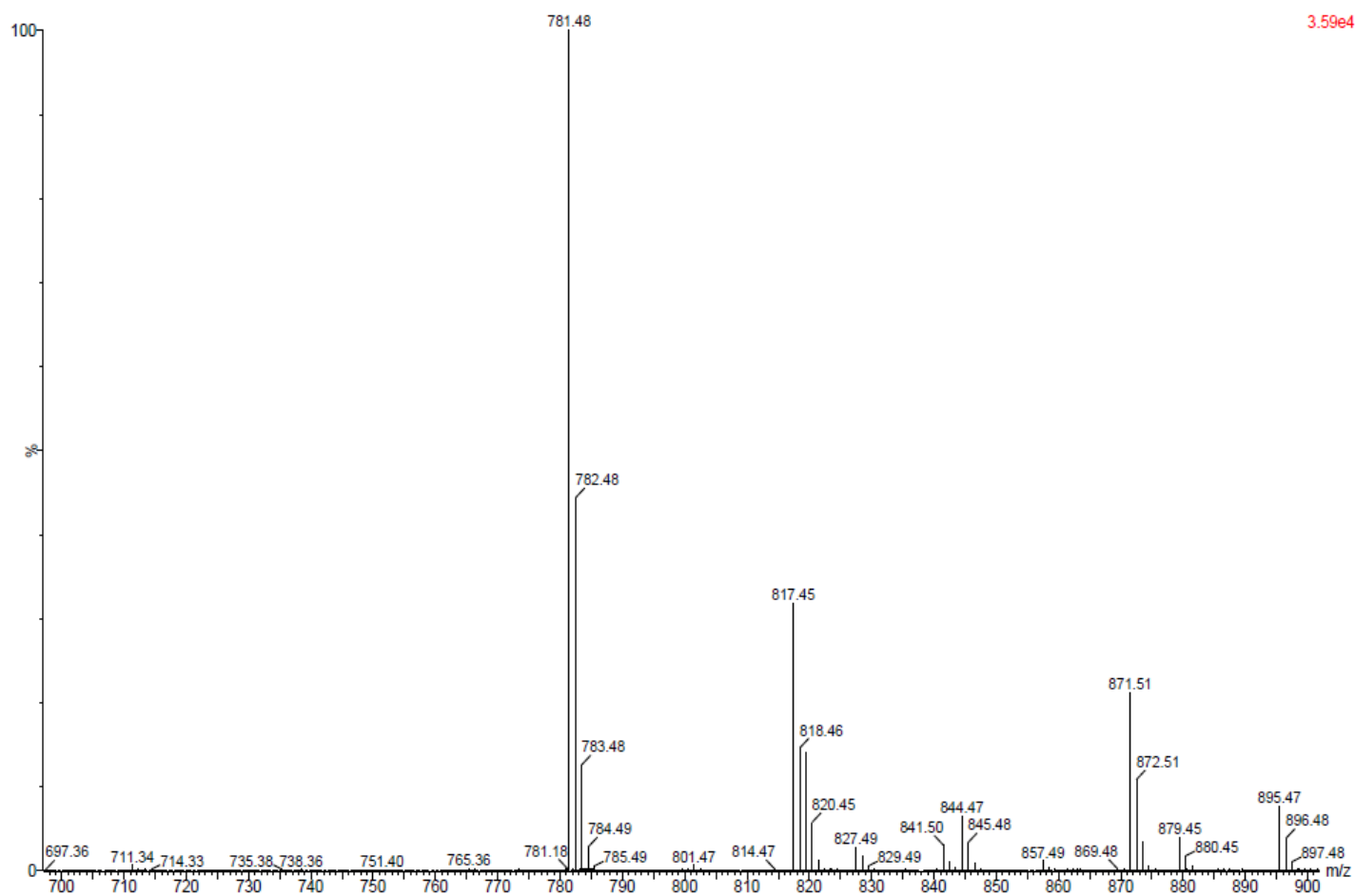


Figure2 : MS



**Figure3b : 13C-NMR(100M Hz, MeOD-d4)**

