

产品分析证书
Certificate of Analysis

产品信息(Product Information)

产品编号 (CAT No.): N0587

中文名称: 藤黄酸B

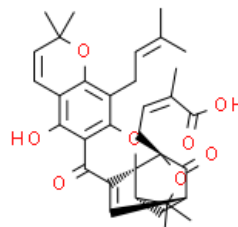
English Name: Morellic acid

CAS No.: 5304-71-2

分子式 (M. F.): C₃₃H₃₆O₈

分子量 (M. W.): 560.643

批号 (Batch No.): N2505870105



检测项目及结果 (Specifications&results)

检验项目 (Test Item)	检验规格 (Specifications)	检验结果 (Results)
颜色 Color	橙色 (orange)	橙色 (orange)
外观 Appearance	粉末或固体 (Powder or Solid)	粉末 (Powder)
纯度 Purity	98%	Conforms
质谱 Mass	Comply with the structure	Conforms
核磁 NMR	Comply with the structure	Conforms

检测信息 (Detection Information)

色谱柱 (Column)	COSMOSIL 5C18-MS-II 4.6 mm I.D. × 250 mm;
流动相 (Mobile phase)	A, Acetonitrile B, 0.1% phosphoric acid in water; Gradient elution: A, 78%-78%, 15min-90%, 5min-90%, 5min.
检测波长 (Detection mode)	288nm
柱温 (Column temperature)	30℃

贮存条件 (Storage): 2~8℃, protected from light, keep package airproofed. <-15℃ when not in use for a long time. (密封保存, 置于阴凉干燥处, 长期不使用最好放置于-15℃以下环境中)

温馨提示 (Reminder): The sample solutions should be prepared immediately before use. (请现配现用)

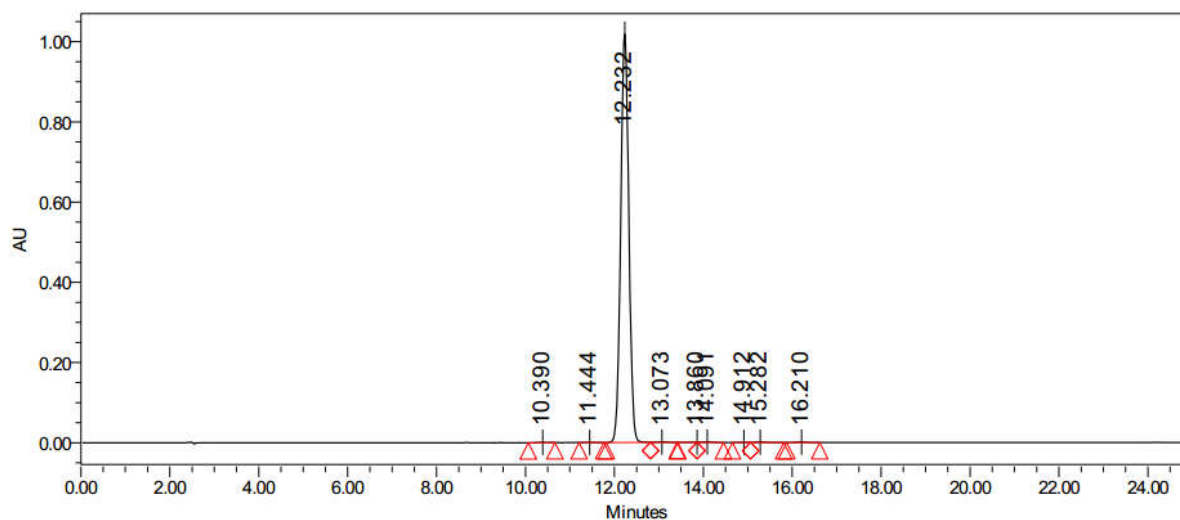


QA: Joy Li

产品售后 (After-sale service): In case of quality issue, please contact us within 15 days after receipt of the product. (若对于我们的产品质量有任何疑问, 请于收到货后 15 天内联系我们)

(We appreciate you much when publishing your paper and marking the chemical purchase from Naturewill Biotechnology Co., Ltd. (Chengdu, China) 当发表论文时, 请您标注化合物购买于四川恒诚致远生物科技有限公司, 非常感谢您的支持。)

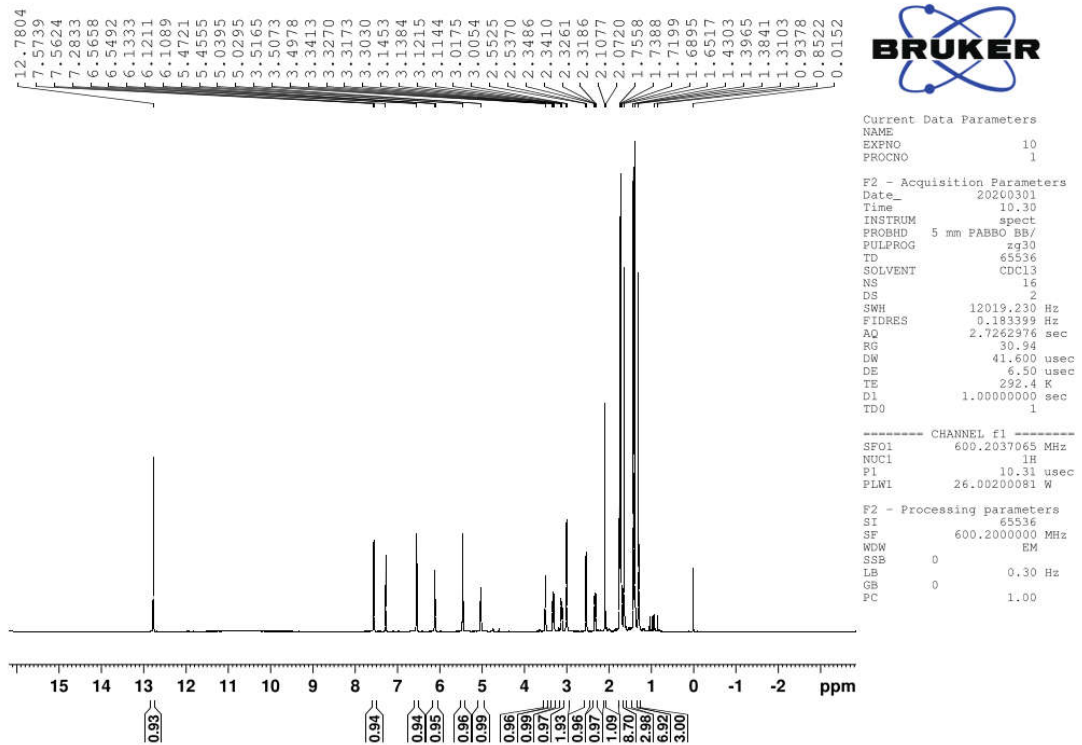
HPLC

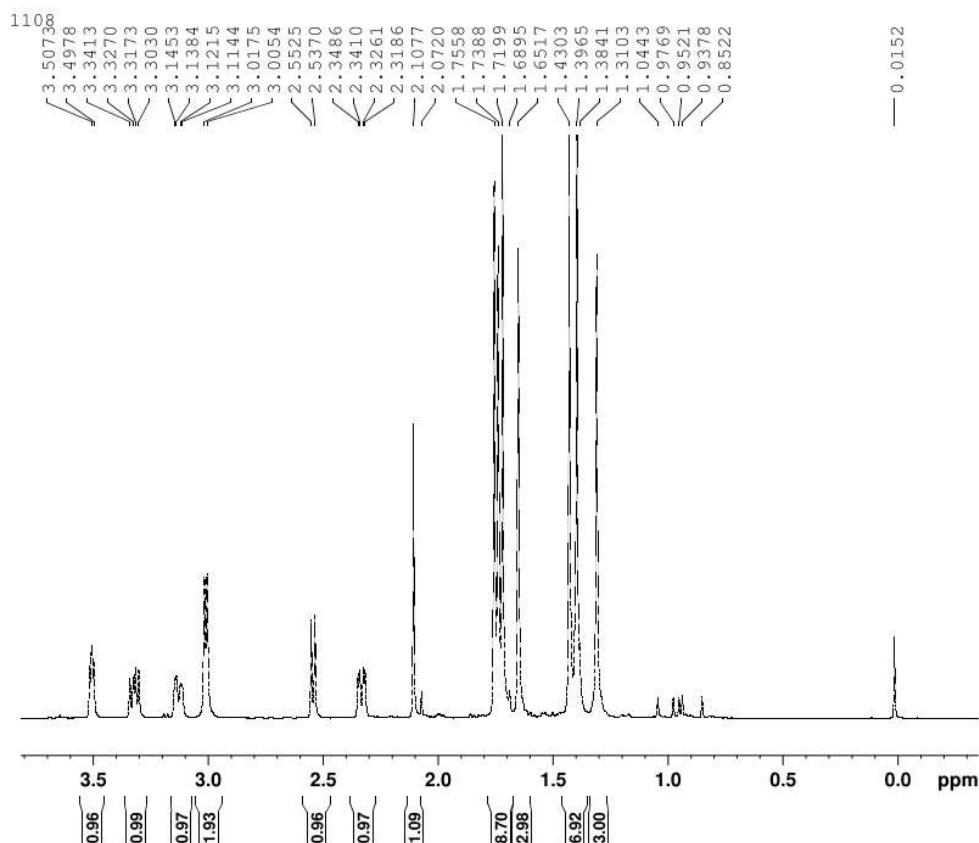


Peak Results

	Name	RT	Area	% Area	Height (μV)	USP Plate Count	USP Resolution
1		10.390	5781	0.04	524	20127.23	
2		11.444	7134	0.06	515	18166.27	3.26
3		12.232	12838117	99.08	1018211	21500.47	2.23
4		13.073	24559	0.19	1365	10710.94	1.95
5		13.860	7804	0.06	810		
6		14.091	25089	0.19	1436		
7		14.912	6367	0.05	455	13208.94	
8		15.282	21913	0.17	1299	20325.04	
9		16.210	20210	0.16	1240	23851.69	2.10

NMR





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Current Data Parameters

NAME
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters

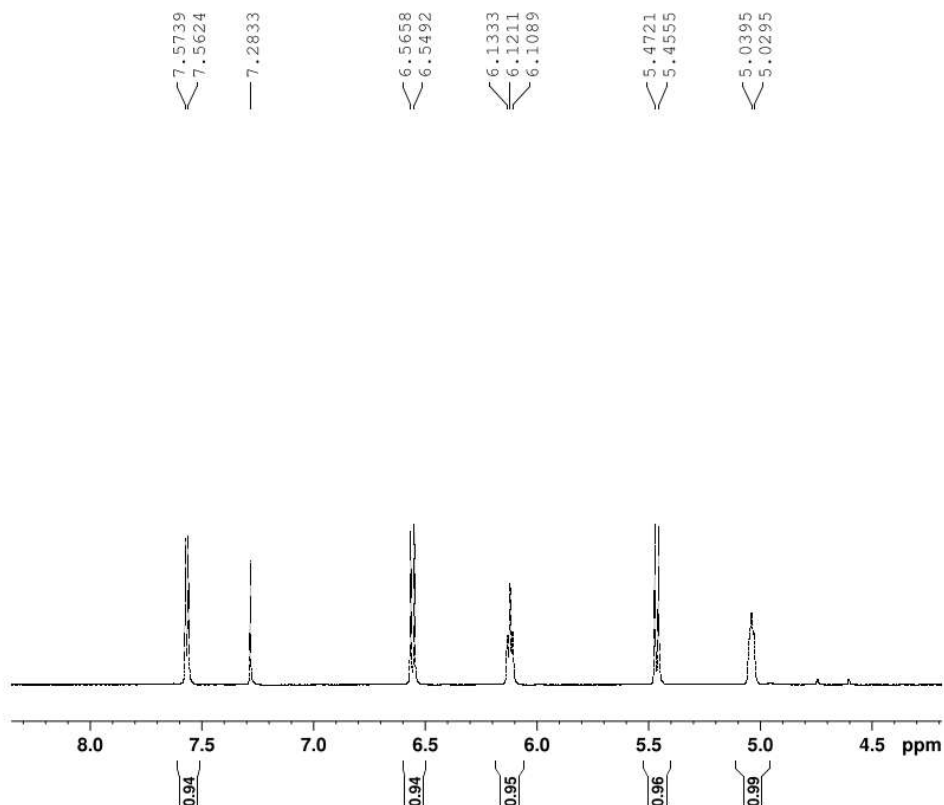
Date_ 20200301
Time 10.30
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 12019.230 Hz
FIDRES 0.183399 Hz
AQ 2.7262976 sec
RG 30.94
DW 41.600 usec
DE 6.50 usec
TE 292.4 K
D1 1.00000000 sec
TD0 1

----- CHANNEL f1 -----

SFO1 600.2037065 MHz
NUC1 1H
P1 10.31 usec
PLW1 26.00200081 W

F2 - Processing parameters

SI 65536
SF 600.2000000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



BRUKER

Current Data Parameters

NAME
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters

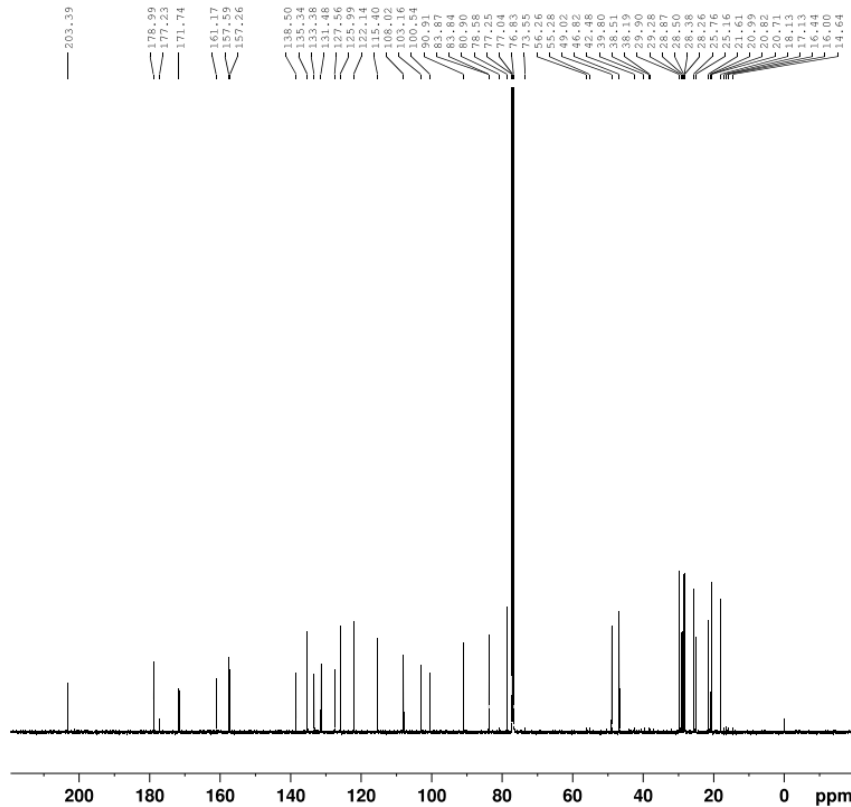
Date_ 20200301
Time 10.30
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zg30
TD 65536
SOLVENT CDCl3
NS 16
DS 2
SWH 12019.230 Hz
FIDRES 0.183399 Hz
AQ 2.7262976 sec
RG 30.94
DW 41.600 usec
DE 6.50 usec
TE 292.4 K
D1 1.00000000 sec
TD0 1

----- CHANNEL f1 -----

SFO1 600.2037065 MHz
NUC1 1H
P1 10.31 usec
PLW1 26.00200081 W

F2 - Processing parameters

SI 65536
SF 600.2000000 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



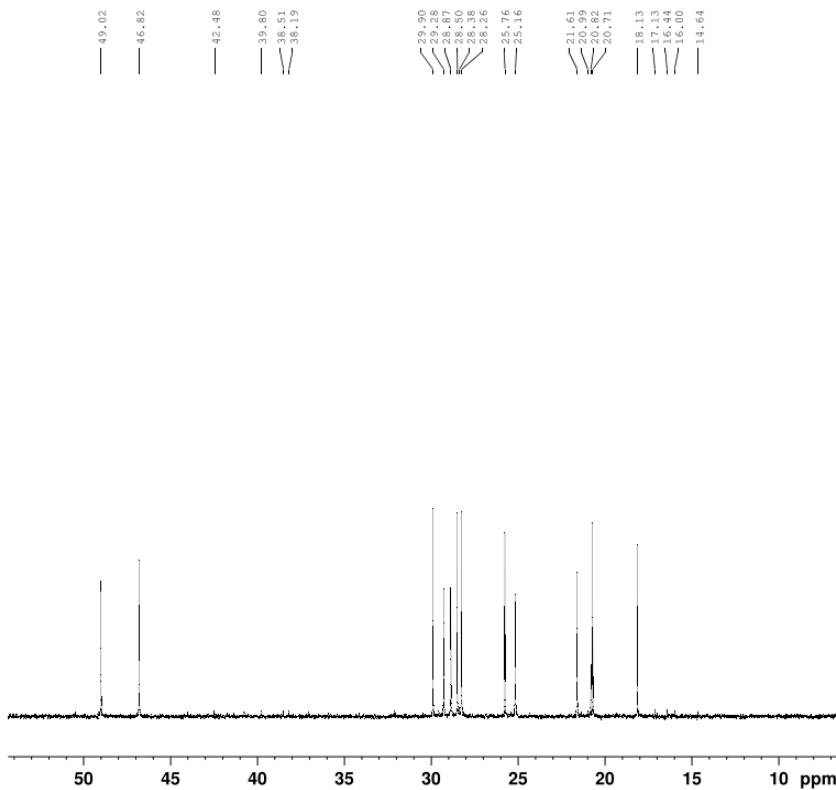
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Current Data Parameters
NAME
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters
Date_ 20200301
Time 11.22
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 2048
DS 4
SWH 36057.691 Hz
FIDRES 0.550197 Hz
AQ 0.9087659 sec
RG 2050
DW 13.867 usec
DE 6.50 usec
TE 294.3 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 2

----- CHANNEL f1 -----
SF01 150.9355014 MHz
NUC1 13C
P1 12.21 usec
PLW1 69.50199890 W

----- CHANNEL f2 -----
SF02 600.2024008 MHz
NUC2 1H
CPDPRG2 waltz16
PCPD2 70.00 usec
PLW2 26.00200081 W
PLW12 0.56405997 W
PLW13 0.27638999 W

F2 - Processing parameters
SI 32768
SF 150.9204100 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40
```



```
Current Data Parameters
NAME
EXPNO 11
PROCNO 1

F2 - Acquisition Parameters
Date_ 20200301
Time 11.22
INSTRUM spect
PROBHD 5 mm PABBO BB/
PULPROG zgpg30
TD 65536
SOLVENT CDCl3
NS 2048
DS 4
SWH 36057.691 Hz
FIDRES 0.550197 Hz
AQ 0.9087659 sec
RG 2050
DW 13.867 usec
DE 6.50 usec
TE 294.3 K
D1 2.00000000 sec
D11 0.03000000 sec
TD0 2

----- CHANNEL f1 -----
SF01 150.9355014 MHz
NUC1 13C
P1 12.21 usec
PLW1 69.50199890 W

----- CHANNEL f2 -----
SF02 600.2024008 MHz
NUC2 1H
CPDPRG2 waltz16
PCPD2 70.00 usec
PLW2 26.00200081 W
PLW12 0.56405997 W
PLW13 0.27638999 W

F2 - Processing parameters
SI 32768
SF 150.9204100 MHz
WDW EM
SSB 0
LB 1.00 Hz
GB 0
PC 1.40
```

MS

