Supporting Information

***Rec. Nat. Prod.* X:X (202X) XX-XX**

A New Diterpenoid with Antitumor Cytotoxicity from Millipede

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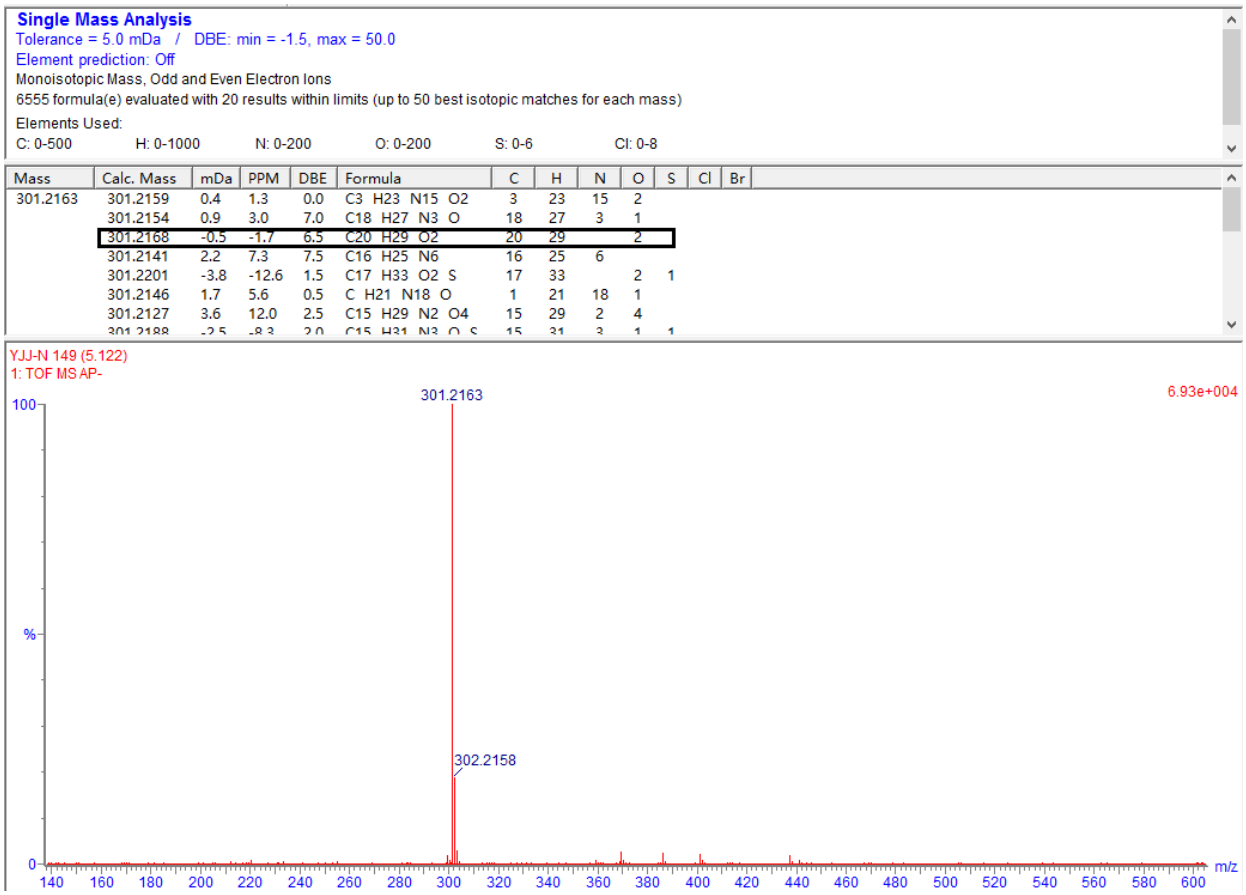


Figure S1: HR-APCI-MS spectrum of **10**

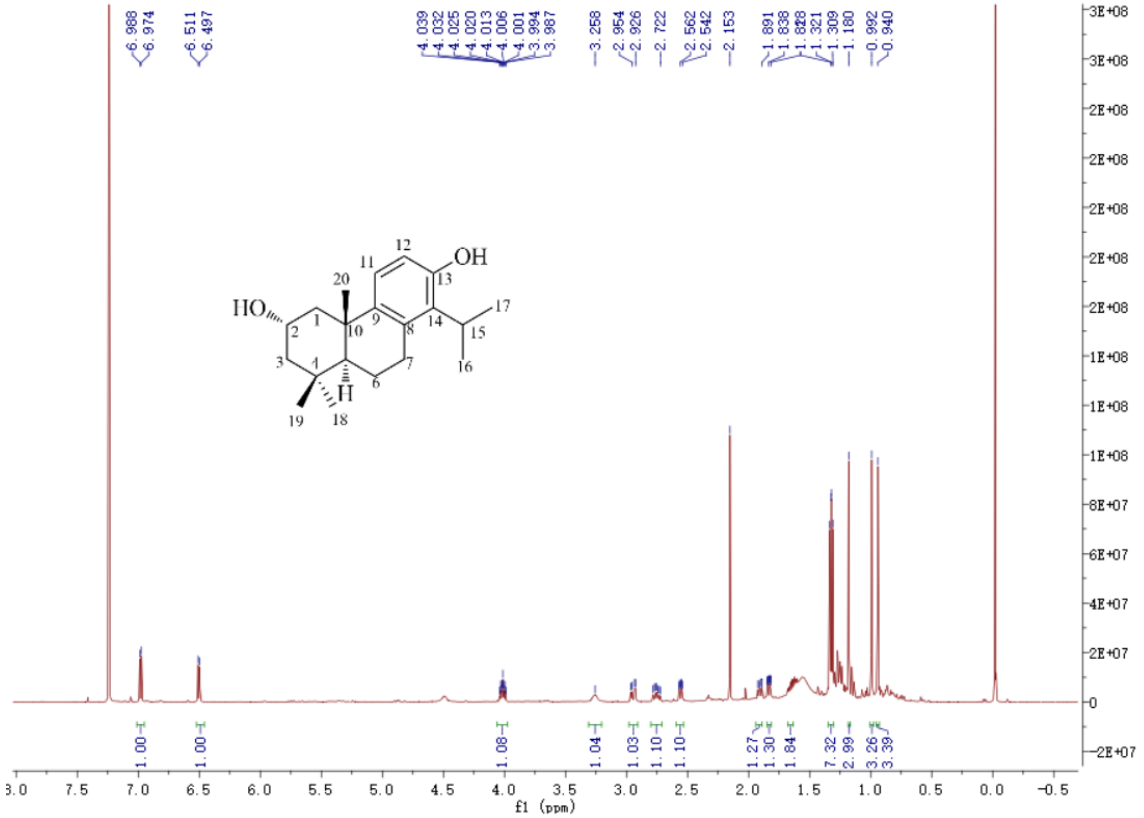


Figure S2: ^{1}H-NMR (600 MHz, $CDCl_3$) spectrum of **10**

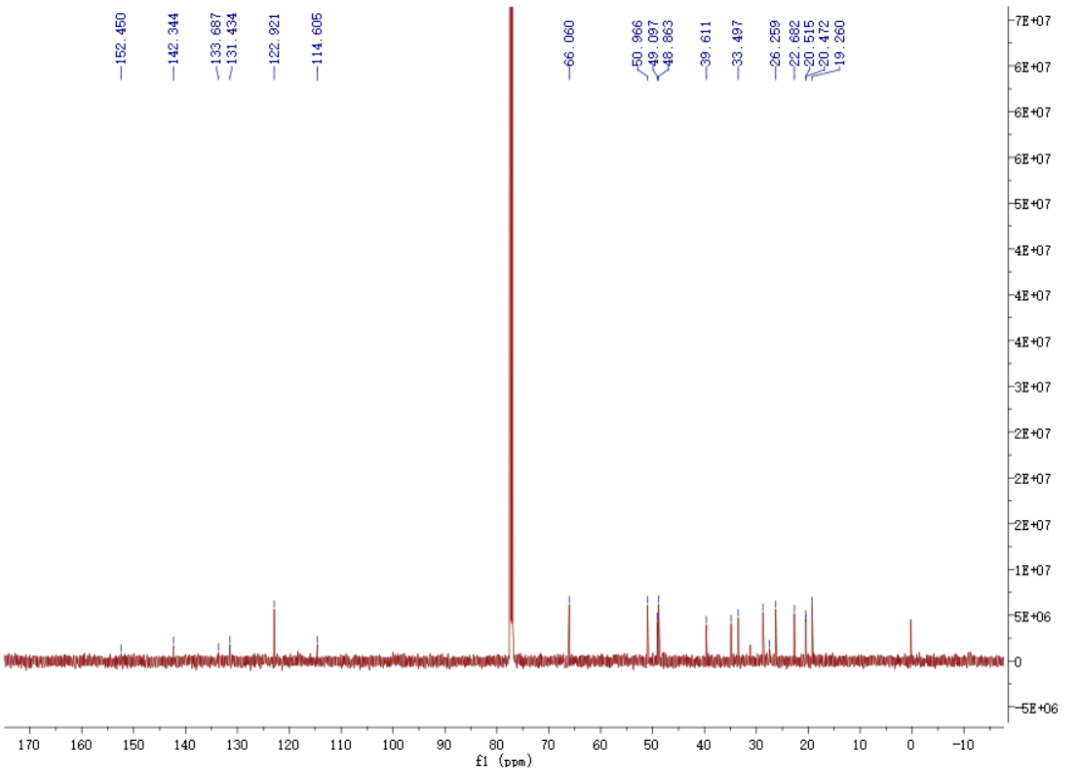


Figure S3: ^{13}C-NMR (150 MHz, $CDCl_3$) spectrum of **10**

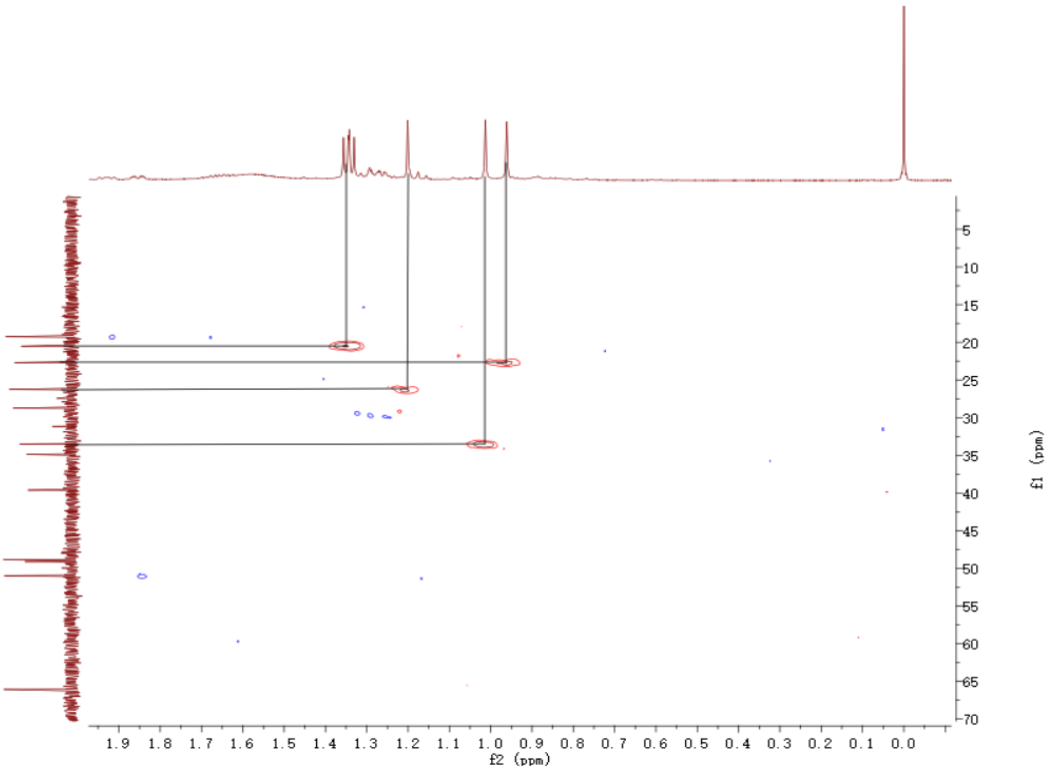


Figure S4: HSQC spectrum of **10** (From δ_C10 ppm to δ_C 70 ppm)

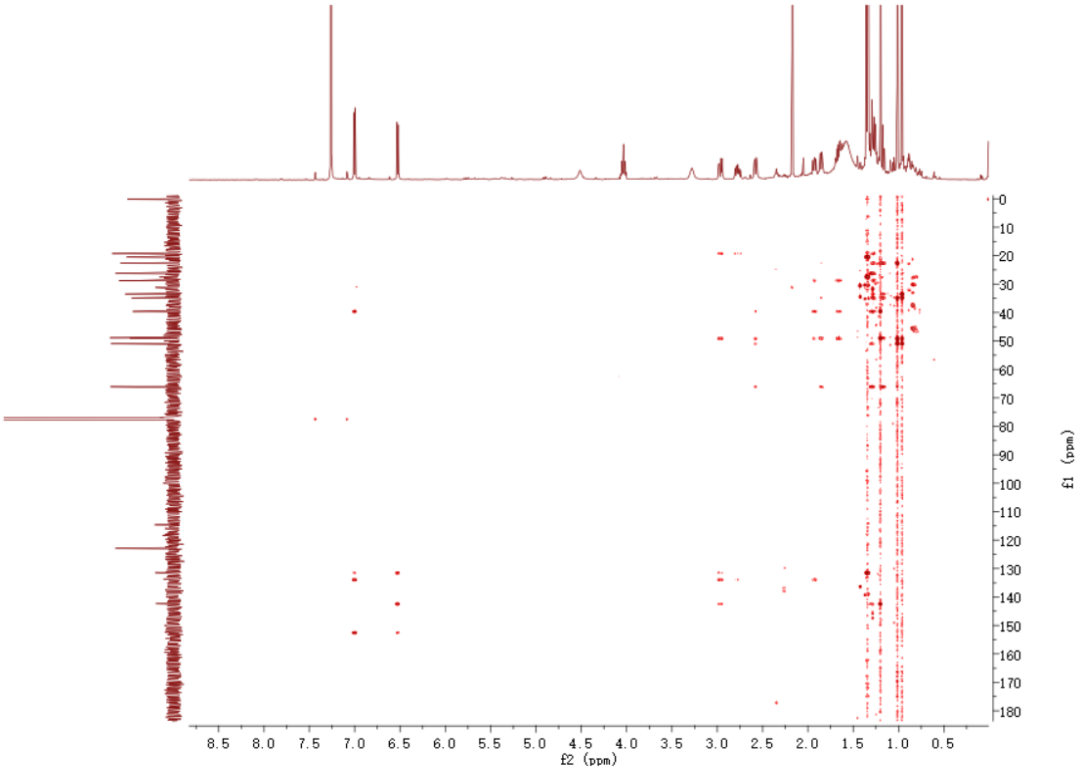


Figure S5: HMBC spectrum of **10**

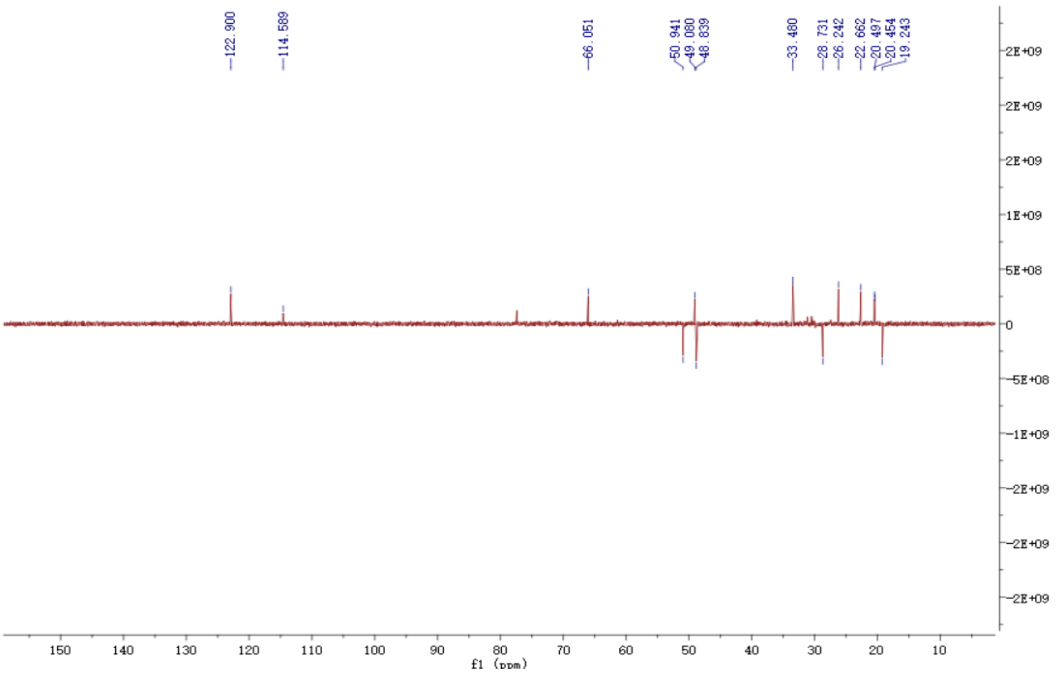


Figure S6: DEPT spectrum of **10**

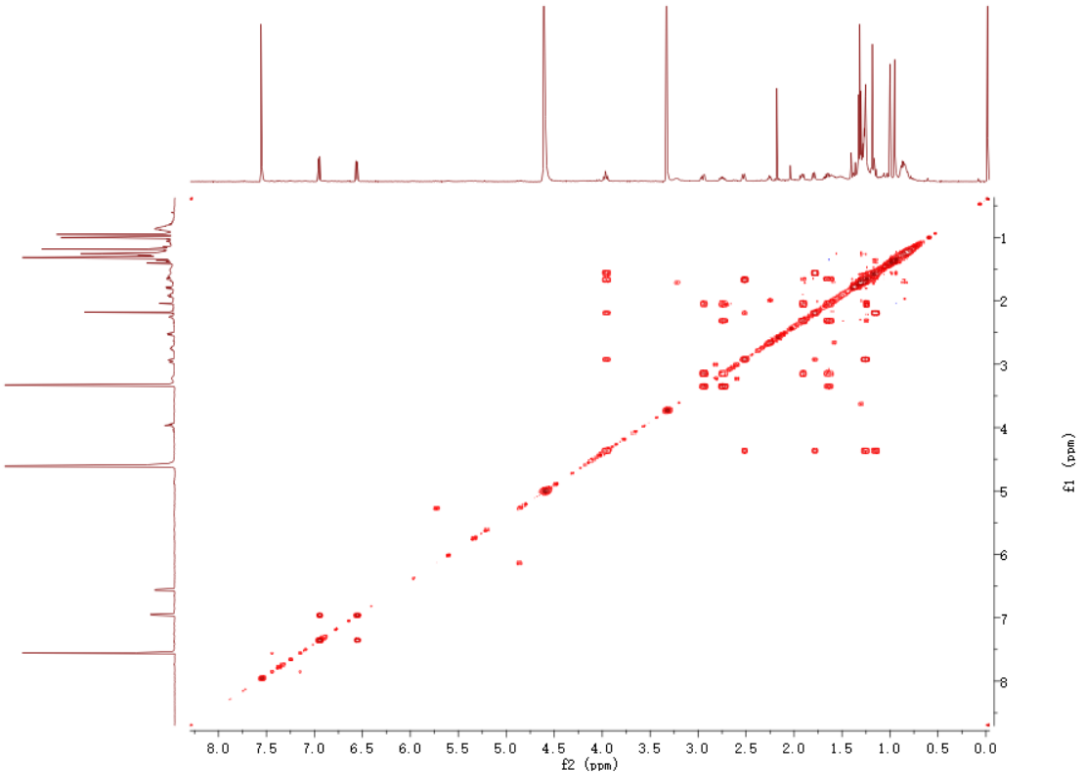


Figure S7: ^{1}H-^{1}H COSY spectrum of **10**

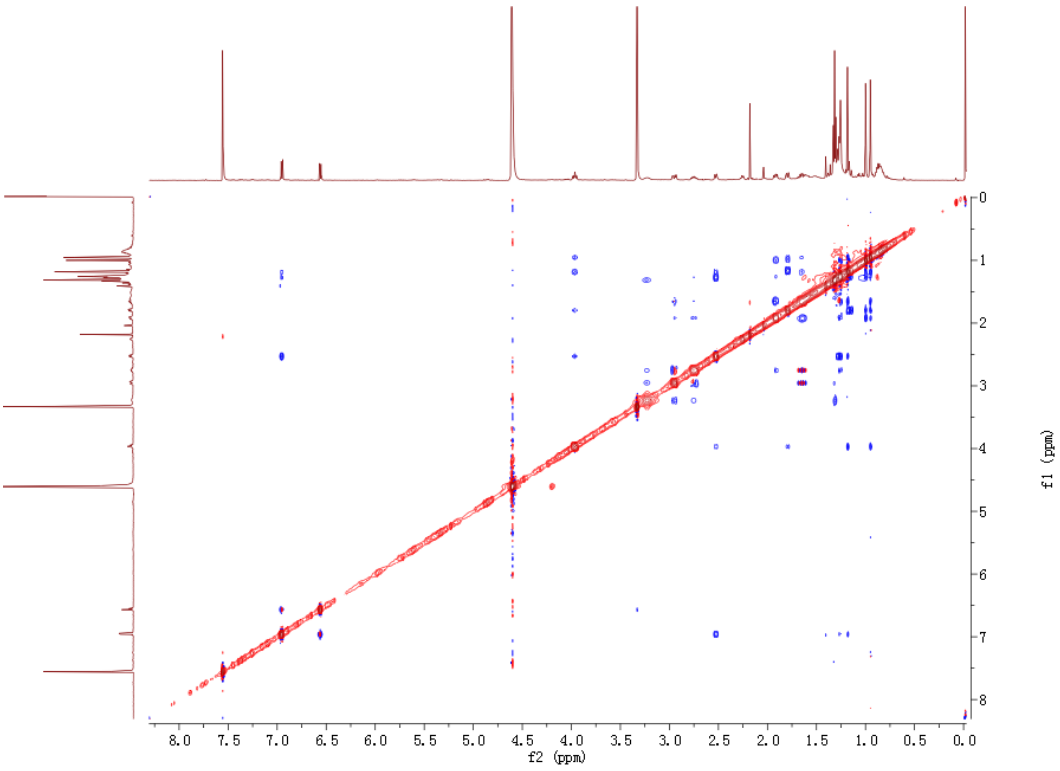
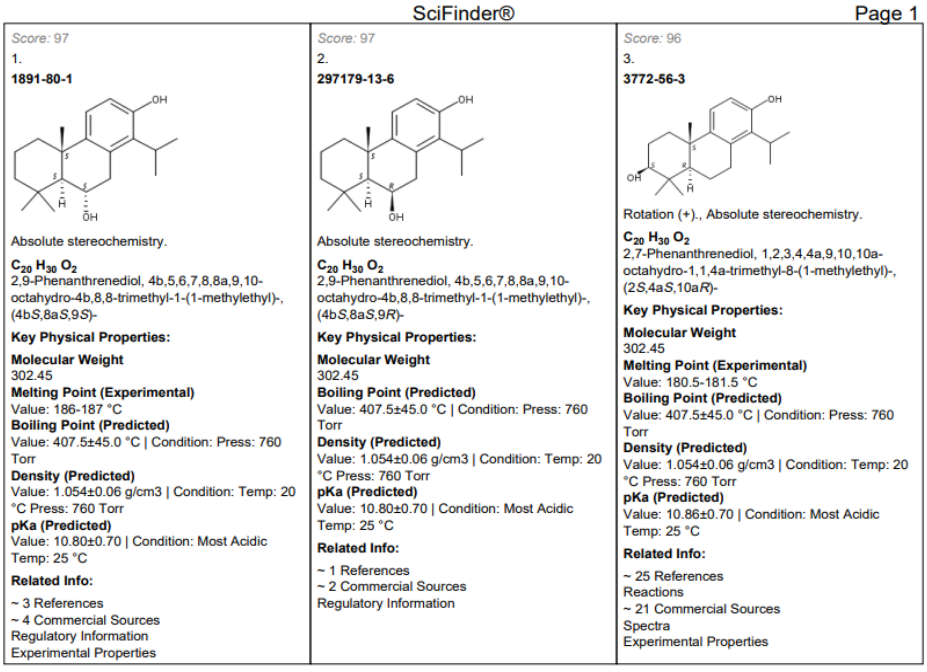


Figure S8: NOESY spectrum of **10**



SciFinder® Page 1

Score: 97
1.
1891-80-1

Absolute stereochemistry.

$C_{20}H_{30}O_2$
2,9-Phenanthrenediol, 4b,5,6,7,8,8a,9,10-octahydro-4b,8,8-trimethyl-1-(1-methylethyl)-, (4b*S*,8a*S*,9*S*)-

Key Physical Properties:

Molecular Weight
302.45
Melting Point (Experimental)
Value: 186-187 °C
Boiling Point (Predicted)
Value: 407.5±45.0 °C | Condition: Press: 760 Torr
Density (Predicted)
Value: 1.054±0.06 g/cm3 | Condition: Temp: 20 °C Press: 760 Torr
pKa (Predicted)
Value: 10.80±0.70 | Condition: Most Acidic Temp: 25 °C

Related Info:

~ 3 References
~ 4 Commercial Sources
Regulatory Information
Experimental Properties

Score: 97
2.
297179-13-6

Absolute stereochemistry.

$C_{20}H_{30}O_2$
2,9-Phenanthrenediol, 4b,5,6,7,8,8a,9,10-octahydro-4b,8,8-trimethyl-1-(1-methylethyl)-, (4b*S*,8a*S*,9*R*)-

Key Physical Properties:

Molecular Weight
302.45
Boiling Point (Predicted)
Value: 407.5±45.0 °C | Condition: Press: 760 Torr
Density (Predicted)
Value: 1.054±0.06 g/cm3 | Condition: Temp: 20 °C Press: 760 Torr
pKa (Predicted)
Value: 10.80±0.70 | Condition: Most Acidic Temp: 25 °C

Related Info:

~ 1 References
~ 2 Commercial Sources
Regulatory Information

Score: 96
3.
3772-56-3

Rotation (+)., Absolute stereochemistry.

$C_{20}H_{30}O_2$
2,7-Phenanthrenediol, 1,2,3,4,4a,9,10,10a-octahydro-1,1,4a-trimethyl-8-(1-methylethyl)-, (2*S*,4a*S*,10a*R*)-

Key Physical Properties:

Molecular Weight
302.45
Melting Point (Experimental)
Value: 180.5-181.5 °C
Boiling Point (Predicted)
Value: 407.5±45.0 °C | Condition: Press: 760 Torr
Density (Predicted)
Value: 1.054±0.06 g/cm3 | Condition: Temp: 20 °C Press: 760 Torr
pKa (Predicted)
Value: 10.86±0.70 | Condition: Most Acidic Temp: 25 °C

Related Info:

~ 25 References
Reactions
~ 21 Commercial Sources
Spectra
Experimental Properties

Figure S9: Scifinder search results of **10**