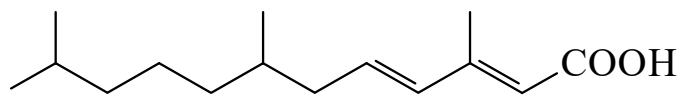




>>Entry Name: 3,7,11-Trimethyl-2,4-dodecadienoic acid, 9CI



(2*E*,4*E*)-form

CAS Registry Number: 37882-32-9

Related CAS Registry Numbers(s): 41096-48-4 41096-49-5 84889-17-8

Molecular Formula: C<sub>15</sub>H<sub>26</sub>O<sub>2</sub>

Molecular Weight: 238.369

Accurate Mass: 238.19328

Percentage Composition: C 75.58%; H 10.99%; O 13.42%

>>Variant: (2*E*,4*E*)-(±)-form

CAS Registry Number: 53023-67-9

Molecular Formula: C<sub>15</sub>H<sub>26</sub>O<sub>2</sub>

Molecular Weight: 238.369

Accurate Mass: 238.19328

Percentage Composition: C 75.58%; H 10.99%; O 13.42%

Physical Description: Cryst.

Melting Point: Mp 42-44°

>>Derivative: Et ester

Synonym(s): Hydroprene, ANSI, ESA, Gen Trol. ZR 512

CAS Registry Number: 41096-46-2

Molecular Formula: C<sub>17</sub>H<sub>30</sub>O<sub>2</sub>

Molecular Weight: 266.423

Accurate Mass: 266.22458

Percentage Composition: C 76.64%; H 11.35%; O 12.01%

Use/Importance: Insect growth regulator

Physical Description: Amber liq.

Boiling Point: Bp<sub>19</sub> 174°

Hazard & Toxicity: LD<sub>50</sub> (rat, orl) >5000 mg/kg

>>Derivative: 2-Propynyl ester

Synonym(s): Kinoprene, ANSI, BSI, ESA, ISO. ZR 777

CAS Registry Number: 42588-37-4

Molecular Formula: C<sub>18</sub>H<sub>28</sub>O<sub>2</sub>

Molecular Weight: 276.418

Accurate Mass: 276.20893

Percentage Composition: C 78.21%; H 10.21%; O 11.58%

Use/Importance: Insecticide

Boiling Point: Bp<sub>0.01</sub> 121°

>>Variant: (2*Z*,4*E*)-(±)-form

CAS Registry Number: 53092-50-5

Molecular Formula: C<sub>15</sub>H<sub>26</sub>O<sub>2</sub>

Molecular Weight: 238.369

Accurate Mass: 238.19328

Percentage Composition: C 75.58%; H 10.99%; O 13.42%

Physical Description: Cryst. (pentane)

Melting Point: Mp 31.5-32°

References: