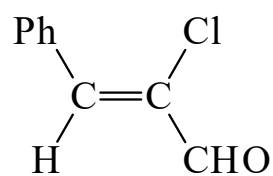




>>Entry Name: **2-Chloro-3-phenyl-2-propenal**, 9Cl

Synonym(s): α -Chlorocinnamaldehyde, 8Cl. 2-Chloro-3-phenylacrolein



CAS Registry Number: 18365-42-9

Related CAS Registry Numbers(s): 99414-74-1

Molecular Formula: C₉H₇ClO

Molecular Weight: 166.606

Accurate Mass: 166.018542

Percentage Composition: C 64.88%; H 4.23%; Cl 21.28%; O 9.60%

Aldrich: 16141-1

>>Variant: (Z)-form

CAS Registry Number: 33603-89-3

Molecular Formula: C₉H₇ClO

Molecular Weight: 166.606

Accurate Mass: 166.018542

Percentage Composition: C 64.88%; H 4.23%; Cl 21.28%; O 9.60%

Melting Point: Mp 34-36°

Boiling Point: Bp₉ 132-133°. Bp_{0.03} 88-89°

>>Derivative: Oxime

Molecular Formula: C₉H₈ClNO

Molecular Weight: 181.621

Accurate Mass: 181.029441

Percentage Composition: C 59.52%; H 4.44%; Cl 19.52%; N 7.71%; O 8.81%

Melting Point: Mp 157-159°

>>Derivative: Phenylhydrazone

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 160°

References:

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