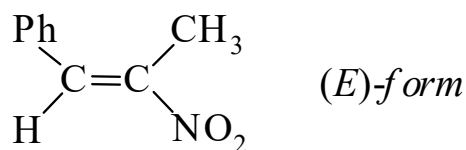




>>Entry Name: 2-Nitro-1-phenyl-1-propene

Synonym(s): (2-Nitro-1-propenyl)benzene, 9CI. 1-Methyl-1-nitro-2-phenylethene



CAS Registry Number: 705-60-2

Molecular Formula: C₉H₉NO₂

Molecular Weight: 163.176

Accurate Mass: 163.063329

Percentage Composition: C 66.25%; H 5.56%; N 8.58%; O 19.61%

Biological Use/Importance: Chemosterilant. Precursor to (±)-amphetamine, forensically useful impurity in seized illicit samples

Melting Point: Mp 65°

Aldrich: 42474-9

Rare Chemicals Library: S62078-5

>>Variant: (E)-form

CAS Registry Number: 18315-84-9

Molecular Formula: C₉H₉NO₂

Molecular Weight: 163.176

Accurate Mass: 163.063329

Percentage Composition: C 66.25%; H 5.56%; N 8.58%; O 19.61%

Use/Importance: Intermed. for synth. of pyrroles *via* Michael addn.

Biological Use/Importance: Cytotoxic substance

Physical Description: Cryst. (EtOH) or yellow cryst. (hexane/EtOAc)

Melting Point: Mp 65°

>>Variant: (Z)-form

CAS Registry Number: 58321-79-2

Molecular Formula: C₉H₉NO₂

Molecular Weight: 163.176

Accurate Mass: 163.063329

Percentage Composition: C 66.25%; H 5.56%; N 8.58%; O 19.61%

Physical Description: Yellow needles (hexane)

Melting Point: Mp 43-44°

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