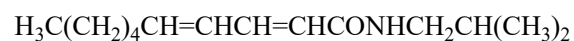




>>Entry Name: **2,4-Decadienoic isobutylamide**

Synonym(s): Pellitorine. *N*-(2-Methylpropyl)-2,4-decadienamide, 9Cl. *N*-Isobutyl-2,4-decadienamide, 8Cl. Pyretrin



Molecular Formula: C₁₄H₂₅NO

Molecular Weight: 223.358

Accurate Mass: 223.193614

Percentage Composition: C 75.28%; H 11.28%; N 6.27%; O 7.16%

>>**Variant:** (*E,E*)-form

CAS Registry Number: 18836-52-7

Molecular Formula: C₁₄H₂₅NO

Molecular Weight: 223.358

Accurate Mass: 223.193614

Percentage Composition: C 75.28%; H 11.28%; N 6.27%; O 7.16%

Biological Source: Constit. of *Fagara xanthoxyloides*, *Piper sylvaticum*, *Piper nepalense* and several other *Piper* spp., *Anacyclus pyrethrum*, *Achillea millefolium* and *Asiasarum heterotropoides* (Rutaceae, Piperaceae, Compositae, Aristolochiaceae)

Use/Importance: Produces intense formication and local anaesthesia of the mucous membranes. Insecticide

Physical Description: Needles (petrol)

Melting Point: Mp 75° (69°). Mp 90-95°

Hazard & Toxicity: Severe irritant

>>**Derivative:** 6-Hydroxy

Synonym(s): 6-Hydroxy-*N*-(2-methylpropyl)-2,4-decadienamide, 9Cl. 6-Hydroxy-*N*-isobutyl-2,4-decadienamide. **6-Hydroxypellitorine**

CAS Registry Number: 133640-43-4

Molecular Formula: C₁₄H₂₅NO₂

Molecular Weight: 239.357

Accurate Mass: 239.188529

Percentage Composition: C 70.25%; H 10.53%; N 5.85%; O 13.37%

Biological Source: Constit. of *Anacyclus monanthos*

References:

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