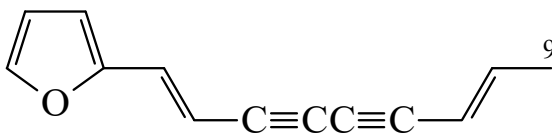




>>Entry Name: Atractylodin

Synonym(s): 2-(1,7-Nonadiene-3,5-diynyl)furan, 9Cl. 1-(2-Furanyl)-1,7-nonadiene-3,5-diyne



CAS Registry Number: 55290-63-6

Molecular Formula: C₁₃H₁₀O

Molecular Weight: 182.221

Accurate Mass: 182.073165

Percentage Composition: C 85.69%; H 5.53%; O 8.78%

Biological Source: Isol. from rhizomes of *Atractylodes* sp.

Use/Importance: Antibacterial, antifungal agent

Physical Description: Light-yellow needles (MeOH)

Melting Point: Mp 54° (52°)

Calculated Log P Data: Log P 3.47 (calc)

>>Derivative: 9'-Hydroxy

Synonym(s): Atractylodinol

CAS Registry Number: 61842-89-5

Molecular Formula: C₁₃H₁₀O₂

Molecular Weight: 198.221

Accurate Mass: 198.06808

Percentage Composition: C 78.77%; H 5.08%; O 16.14%

Biological Source: Isol. from rhizomes of *Atractylodes lancea*

Melting Point: Mp 83°

>>Derivative: 9'-Acetoxy

Synonym(s): Acetylactylodinol

CAS Registry Number: 61582-39-6

Molecular Formula: C₁₅H₁₂O₃

Molecular Weight: 240.258

Accurate Mass: 240.078645

Percentage Composition: C 74.99%; H 5.03%; O 19.98%

Biological Source: Isol. from *Atractylodes lancea*

Melting Point: Mp 65°

References:

Yosioka, I. *et al.*, *Chem. Pharm. Bull.*, 1960, **8**, 949; 952; 957, (*isol, struct, synth*)

Nishikawa, Y. *et al.*, *Yakugaku Zasshi*, 1976, **96**, 1322, (*isol, uv, pmr, derivs*)