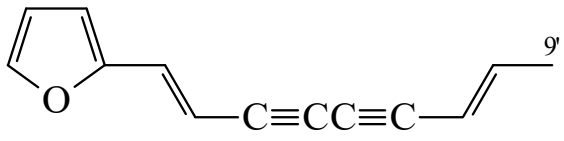
>>**Entry Name: Atractylodin**
Synonym(s): 2-(1,7-Nonadiene-3,5-diynyl)furan, 9Cl. 1-(2-Furanyl)-1,7-nonadiene-3,5-diyne



CAS Registry Number: 55290-63-6

Molecular Formula: $C_{13}H_{10}O$
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: $C_{13}H_{10}O_2$
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): Acetylatractylodinol

CAS Registry Number: 61582-39-6

Molecular Formula: $C_{15}H_{12}O_3$
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)*