

Atractylodin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Atractylodin

Catalog No.: CFN99535

Cas No.: 55290-63-6

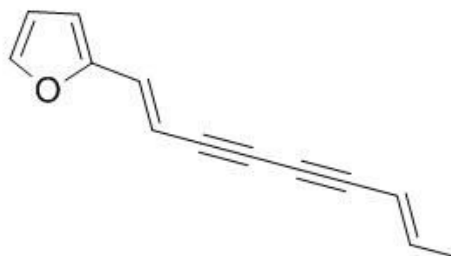
Purity: > 98%

M.F: C₁₃H₁₀O

M.W: 182.22

Physical Description: Brown powder

Synonyms: 2-[(1E,7E)-nona-1,7-dien-3,5-diynyl]furan.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The root of *Atractylodes chinensis* (DC.) Koidz.

[Biological Activity or Inhibitors]

Atractyodin biosynthesis could be promoted by endophytic fungal elicitor mediated through NO followed by salicylic acid by activating ACC in *A.lancea*.^[1]

Atractylodin and atractylenolide II have a good potential as a source for natural repellents, and atractylodin has the potential to be developed as natural insecticide.^[2]

[Solvent]

Ethyl ether, Chloroform, Dichloromethane, DMSO, Ethyl Acetate, Acetone, etc.

[HPLC Method]^[3]

Mobile phase: Acetonitrile -H₂O=76:24;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 340nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Tao J H, Wang D G, Pu X L , *et al. Chinese Traditional & Herbal Drugs*, 2014, 45(5): 701-8.

[2] Chen H P, Zheng L S, Yang K, *et al. Chem. Biodivers*, 2015, 12(4):593–8.

[3] Wang Z. *J. Liq. Chromatogr .R. T.*, 2012, 35(6):778-87.

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