[ Product Information ]

Name: alpha-Cyperone
Catalog No.: CFN99703
Cas No.: 473-08-5
Purity: > 98%
M.F: C₁₅H₂₂O
M.W: 218.33

Physical Description: Cryst.
Synonyms: (4aS,7R)-1,4a-dimethyl-7-(1-methylethenyl)-3,4,5,6,7,8-hexahydronaphthalen-2-one.

[ Intended Use ]

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

[ Source ]
The rhizomes of Cyperus rotundus L.
**[Biological Activity or Inhibitors]**

Alpha-cyperone, a major active compound of Cyperus rotundus, has anti-inflammatory effects with the down-regulation of COX-2 and IL-6 via the negative regulation of the NFκB pathway in LPS-stimulated RAW 264.7 cells.[1]

In the presence of subinhibitory concentrations of alpha-cyperone, Hla production was markedly inhibited, and alpha-cyperone protects lung cells from Hla-induced injury, indicate that alpha-cyperone is a promising inhibitor of Hla production by S. aureus and protects lung cells from this bacterium, it may provide the basis for a new strategy to combat S. aureus pneumonia.[2]

Alpha-cyperone inhibits the expression of inflammatory and coagulant mediators via mitogen-activated protein kinase (MAPKs) and NF-kappa B signaling pathways, it may contribute to future research on the action mechanisms, as well as therapy for inflammation- or coagulation-related diseases.[3]

**[Solvent]**

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

**[HPLC Method]**[4]

Mobile phase: Methanol : H2O=68:32;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 241 nm.

**[Storage]**

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

**[References]**


[Contact]

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