

Phytone Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Phytone

Catalog No.: CFN97734

Cas No.: 502-69-2

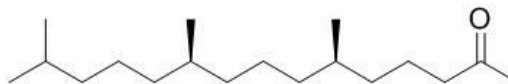
Purity: > 98%

M.F: C₁₈H₃₆O

M.W: 268.48

Physical Description: Oil

Synonyms: 6,10,14-Trimethyl-2-pentadecanon;Perhydrofarnesyl Acetone.



[Intended Use]

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

[Source]

The leaves of *Black tea*.

[Biological Activity or Inhibitors]

Phytone appears to enhance both the sticky materials production and cell growth,

suggesting that it plays some role in the increase of sticky materials and cell growth.^[1]

[Solvent]

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

[HPLC Method]^[2]

GC-MS method:

Temperature program: column temperature of 60 °C to 200 °C at the rate of 4 °C/min, then 10 °C/min to 280°C ;

Flow rate of gas(He): 0.9mL / min;

Split ratio:9:1;

Ion source temperature: 250 °C;

Ionization pressure: 70eV;

Quadrupole temperature : 160 °C;

Mass scan range: 40-400u.

[Storage]

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

[References]

[1] Muramatsu K, Nagai T, Sato S, *et al. Nippon Shokuhin Kagaku Kogaku Kaishi*, 1997, 44(11):812-5.

[2] Zhuo-Ma D W, Guan Y L, Bai Y, *et al. Journal of Instrumental Analysis*,2007, 26(S1): 169-71.

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