

Benzoylpaeoniflorin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Benzoylpaeoniflorin

Catalog No.: CFN99536

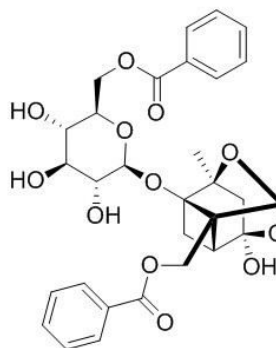
Cas No.: 38642-49-8

Purity: > 98%

M.F: C₃₀H₃₂O₁₂

M.W: 584.57

Physical Description: White cryst.



Synonyms: {(3S,5R,6S)-1-({[(4,5-dihydroxycyclohex-2-en-1-yl)carbonyl]oxy)methyl}-3-[(1aR)-1H-3,4-dioxacyclobuta[cd]pentalen-1a(2H)-yloxy]-5,6-dihydroxy-4-methyl-2-oxabicyclo[2.2.1]hept-3-yl)methyl benzoate.

[Intended Use]

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

[Source]

The root of *Paeonia lactiflora* Pall.

[Biological Activity or Inhibitors]

Benzoylpaeoniflorin can restrain apoptosis of rats with coronary heart diseases by increasing the levels of Bc1-2 and decreasing the levels of Bax, suggesting that it may treat coronary heart disease by decreasing apoptosis.^[1]

[Solvent]

Pyridine, DMSO, Methanol, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile- 0.015% Phosphoric acid H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 230 nm.

[Storage]

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

[References]

[1] Zhang E L, Li Yang, Ge H Y. *Chinese Journal of Laboratory Diagnosis*, 2011, 15(4): 609-10.

[2] Wang Q, Liu R X, Bi KS, et al. *Chinese Traditional & Herbal Drugs*, 2005, 36(11): 1630-2.

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