[ Product Information ]

Name: Albiflorin
Catalog No.: CFN99774
Cas No.: 39011-90-0
Purity: > 98%
M.F: C_{23}H_{28}O_{11}
M.W: 480.46

Physical Description: White powder

Synonyms: 9-((Benzoyloxy)methyl)-1-(beta-D-glucopyranosyloxy)-4-hydroxy-6-methyl-7-oxatricyclononan-8-one.

[ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Ingredient in supplements, beverages;
8. Others.

[ Source ]
The roots of *Paeonia albiflora*.

[**Biological Activity or Inhibitors**]

Albiflorin, isolated from *Paeoniae Radix*, it enhances mitochondrial function to suppress antimycin A-induced oxidative damage via the preservation of cytochrome C and cardiolipin, indicates that albiflorin may reduce or prevent osteoblast degeneration in osteoporosis.[1]

Albiflorin produces significant antidepressant-like effects, which are closely related to the hippocampal 5-HT/NE increase and expression, indicates that albiflorin could be a potential anti-depressant drug.[2]

The administration of albiflorin can significantly ameliorate myelosuppression in all cases, it may promote the recovery of bone marrow hemopoietic function in a myelosuppressed mouse model.[3,4]

Albiflorin, aloeemodin and neohesperidin have inhibition of β-amyloid aggregation, they have neuroprotective effect on primary hippocampal cells against β-amyloid induced toxicity.[5]

[**Solvent**]

Pyridine, Methanol, Ethanol, etc.

[**HPLC Method**][6]

Mobile phase: Acetonitrile-0.01%Phosphoric acid H2O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 230 nm.

[**Storage**]

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


[ Contact ]

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