[ Product Information ]

Name: Spinosin
Catalog No.: CFN99600
Cas No.: 72063-39-9
Purity: >= 98%
M.F: C_{28}H_{32}O_{15}
M.W: 608.55

Physical Description: Powder

Synonyms: 2-(4-Hydroxyphenyl)-5-hydroxy-7-methoxy-6-[2-O-(\beta-D-glucopyranosyl)-\beta-D-glucopyranosyl]-4H-1-benzopyran-4-one; 2''-O-\beta-D-Glucopyranosylswertisin; 6-(2-O-\beta-D-Glucopyranosyl-\beta-D-glucopyranosyl)-4',5-dihydroxy-7-methoxyflavone; 6-(2-O-\beta-D-Glucopyranosyl-\beta-D-glucopyranosyl)-5-hydroxy-2-(4-hydroxyphenyl)-7-methoxy-4H-1-benzopyran-4-one; Spinosin A.

[ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.
[Source]
The seeds of Zizyphus jujuba.

[Biological Activity or Inhibitors]
Spinosin, a C-glycoside flavonoid from semen Zizhiphi Spinozae, potentiates pentobarbital-induced sleep via the serotonergic system.[1]
Spinosin has inhibitory effect on 8-OH-DPAT-induced hypothermia and has potentiating effect on pentobarbital-induced loss of righting reflex (LORR) in mice, presynaptic 5-HT(1A) autoreceptor mechanisms may be involved in the effects. [2]

[Solvent]
Pyridine, Methanol, Ethanol, etc.

[HPLC Method][3]
Mobile phase: Acetonitrile-H2O-Acetic acid =23:77:1;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 334 nm.

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

[References]
[ Contact ]

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