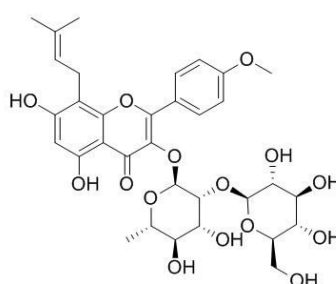


Sagittatoside A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Sagittatoside A**Catalog No.:** CFN90139**Cas No.:** 118525-35-2**Purity:** >=98%**M.F:** C₃₃H₄₀O₁₅**M.W:** 676.67**Physical Description:** Yellow powder**Synonyms:** 3-[(6-Deoxy-2-O-beta-D-glucopyranosyl-alpha-L-mannopyranosyl)oxy]-5,7-dihydroxy-2-(4-methoxyphenyl)-8-(3-methyl-2-buten-1-yl)-4H-1-benzopyran-4-one.

[Intended Use]

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

[Source]

The roots of *Epimedium brevicornu Maxim.*

[Biological Activity or Inhibitors]

Sagittatoside A stimulates estrogen response (ER)-dependent osteoblastic functions in UMR-106 cells, and exerts its actions by ligand-independent activation of ER α , sagittatoside A has estrogen-like protective effects on bone.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile- H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 270 nm.

[Storage]

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

[References]

[1] Xiao H H, Fung C Y, Mok S K, *et al. J. Steroid Biochem.*, 2014, 143:141-51.

[2] Chen X J, Guo B L, Li S P, *et al. J. Chromatogr. A*, 2008, 1163(1-2):226-35.

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