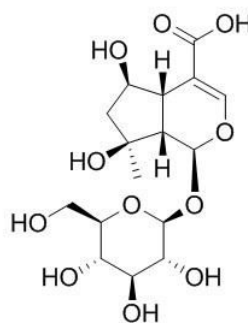


Shanzhiside Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Shanzhiside**Catalog No.:** CFN98370**Cas No.:** 29836-27-9**Purity:** > 95%**M.F:** C₁₆H₂₄O₁₁**M.W:** 392.4**Physical Description:** Powder

Synonyms: (1S,4aS,5R,7S,7aS)-1-(β-D-Glucopyranosyloxy)-5,7-dihydroxy-7-methyl-1,4a,5,6,7,7a-hexahydrocyclopenta[c]pyran-4-carboxylic acid; Thioglycine S-2-acetamidoethyl ester hydrobromide.

[Intended Use]

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

[Source]

The herbs of *Lamiophlomis rotata* (Benth.) Kudo.

[Biological Activity or Inhibitors]

Shanzhiside has immunosuppressive activity, it shows significant inhibition of IL-2 secretion by phorbol myristate acetate and anti-CD28 monoclonal antibody co-stimulated activation of human peripheral blood T cells.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile- 20mM Potassium dihydrogenphosphate solution,gradient elution;

Flow rate:1.0 ml/min;

Column temperature: 30℃;

The wave length of determination:210 nm.

[Storage]

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

[References]

[1] Chang W L, Wang HY, Shi LS, *et al.* *J. Nat. Prod.*, 2005 Nov; 68(11):1683-5.

[2] Wu H K, Chuang W C, Sheu S. *J. Chromatogr. A*, 1998, 803(1-2):179-87.

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