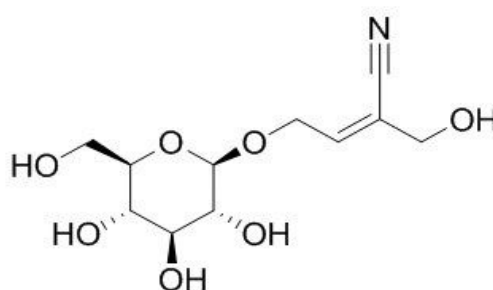


Sarmentosin Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Sarmentosin**Catalog No.:** CFN97202**Cas No.:** 71933-54-5**Purity:** > 95%**M.F:** C₁₁H₁₇NO₇**M.W:** 275.3**Physical Description:** Powder**Synonyms:** (2E)-4-(beta-D-Glucopyranosyloxy)-2-(hydroxymethyl)-2-butenenitrile.**[Intended Use]**

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

[Source]The herb of *Sedum sarmentosum* Bunge.**[Biological Activity or Inhibitors]**Sarmentosine shows antituberculosis activity.^[1]

The sarmentosin-containing extracts of *Sedum sarmentosum* have hepatoprotective effects in D-galactosamine (D-GalN) / lipopolysaccharide (LPS)-induced fulminant hepatic failure mouse model, and this protection is likely associated with its anti-apoptotic activity and the down-regulation of mitogen activated protein kinase activity associated at least in part with suppressing the transcription of LPS receptors.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 260 nm.

[Storage]

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

[References]

[1] Rukachaisirikul T, Siriwanakit P, Sukcharoenphol K, *et al. J.Ethnopharmacol.*, 2004, 93(2-3):173-6.

[2] Lian L H, Jin X, Wu Y L, *et al. J. Pharmacol. Sci.*, 2010, 114(2):147-57.

[3] Hussain K, Ismail Z, Sadikun A, *et al. Planta Med.*, 2010, 76(5):418-25.

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