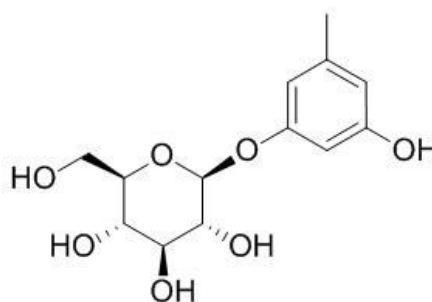


Sakakin Datasheet

5th Edition (Revised in January, 2017)**[Product Information]****Name:** Sakakin**Catalog No.:** CFN98059**Cas No.:** 21082-33-7**Purity:** >=97%**M.F:** C₁₃H₁₈O₇**M.W:** 286.3**Physical Description:** Powder**Synonyms:** (2R,3S,4S,5R)-2-(hydroxymethyl)-6-(3-hydroxy-5-methylphenoxy)oxane-3,4,5-triol; Orcinol glucoside.**[Intended Use]**

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

[Source]The rhizomes of *Curculigo orchoides* Gaertn.**[Biological Activity or Inhibitors]**

Orcinol glucoside (Sakakin) can improve depressive behaviour in chronic unpredictable mild stress (CUMS) rats by downregulating HPA axis hyperactivity and increasing BDNF expression and ERK1/2 phosphorylation in the hippocampus.^[1]

Orcinol glucoside and orcinol monohydrate are anxiolytic agents without sedative effects, indicating their therapeutic potential for anxiety.^[2]

Orcinol glucoside shows potent antioxidative activities.^[3]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[4]

Mobile phase: Acetonitrile-0.1% Phosphoric acid aqueous, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 230 nm.

[Storage]

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

[References]

[1] Ge J F, Gao W C, Cheng W M, *et al. Eur. Neuropsychopharmacol.* ,2014 ,24(1): 172-80.

[2] Wang X, Li G, Li P, *et al. Pharm. Biol.*, 2015, 53(6):876-81.

[3] Wu Q, Fu D X, Hou A J, *et al. Chem. Pharm .Bull.(Tokyo).*, 2005, 53(8):1065-7.

[4] Wang Y, Liu L, Xu J L, *et al. Journal of Chinese Pharmaceutical Sciences*, 2012, 47(5):375-9.

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