

## Glucosylvitexin Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Glucosylvitexin

**Catalog No.:** CFN99139

**Cas No.:** 76135-82-5

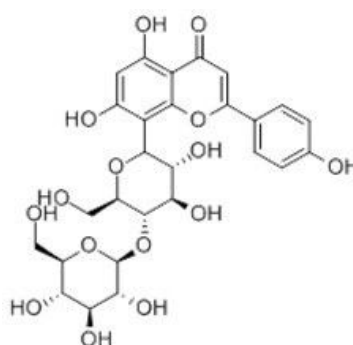
**Purity:** 98%

**M.F:** C<sub>27</sub>H<sub>30</sub>O<sub>15</sub>

**M.W:** 597.52

**Physical Description:** Yellow powder

**Synonyms:** 8-(beta-D-Glucopyranosyloxy)-5,7-dihydroxy-2-(4-hydroxyphenyl)-4H-1-benzopyran-4-one mono-beta-D-glucopyranoside; vitexin-4"-o-glucoside.



### [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food and cosmetic research;
4. Synthetic precursor compounds;
5. Others.

### [ Source ]

The fruit of *Crataegus pinnatifida* Bge.

### [ Biological Activity or Inhibitors ]

Glucosylvitexin can inhibit thyroid peroxidase (TPO) activity, thus it can produce goitrogenic and antithyroid effects similar to those of certain other antithyroid agents and small doses of methimazole (MMI).<sup>[1]</sup>

### **[ Solvent ]**

DMSO; Hot Methanol; Pyridine.

### **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Acetonitrile-1% Acetic acid H<sub>2</sub>O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 360 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Gaitan E, Lindsay R H, Reichert R D, *et al. J. Clin. Endocr Metab.*, 1989, 68(4):707-14.

[2] Liang S K, Fu Q X, Feng S C. *Pharmaceutical Research*, 2009, 28(1):20-2.

### **[ Contact ]**

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