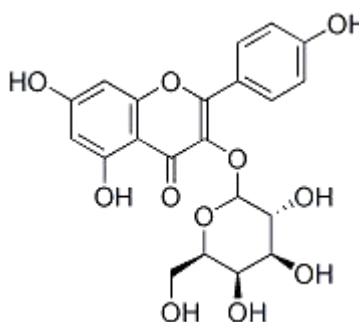


# Kaempferol-3-O-galactoside Datasheet

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

## [ Product Information ]

**Name:** Kaempferol-3-O-galactoside**Catalog No.:** CFN92079**Cas No.:** 23627-87-4**Purity:** >95%**M.F:** C<sub>21</sub>H<sub>20</sub>O<sub>11</sub>**M.W:** 448.38**Physical Description:** Yellow powder

**Synonyms:** 4H-1-Benzopyran-4-one, 3-(β-D-galactopyranosyloxy)-5,7-dihydroxy-2-(4-hydroxyphenyl)-; Kaempferol 3-galactoside (6CI); Trifolin (7CI, 8CI); Trifoliin; Trifolin (glycoside); Kaempferol 3-O-D-galactoside; Kaempferol 3-O-galactoside; Kaempferol 3-O-β-D-galactopyranoside; Kaempferol 3-O-β-galactoside; Kaempferol 3-β-D-galactopyranoside; Kaempferol 3-β-D-galactoside.

## [ Intended Use ]

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

## [ Source ]

The herbs of *Senecio argunensis*.

### **[ Biological Activity or Inhibitors ]**

Kaempferol-3-O- $\beta$ -D-galactoside, isolated from the aerial part of *Calluna vulgaris* L, has anti-inflammatory and antinociceptive activity.<sup>[1]</sup>

Kaempferol-3-O- $\beta$ -D-galactoside has antioxidant activity.<sup>[2]</sup>

### **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

### **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: Acetonitrile- 2.5% Aqueous acetic acid , gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 360 nm.

### **[ Storage ]**

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

### **[ References ]**

[1] Orhan I, Küpelii E, Terzioğlu S, *et al. J. Ethnopharmacol.*, 2007, 114(1):32-7.

[2] ZJugdé H, Nguy D, Moller I, *et al. Febs Journal*, 2008, 275(15):3804–14.

[3] Correia H, González-Paramás A, Amaral M T, *et al. Biomed. Chromatogr.*, 2006, 20(1):88–94.

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