

## Fumaric acid Datasheet

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

### [ Product Information ]

**Name:** Fumaric acid

**Catalog No.:** CFN99201

**Cas No.:** 110-17-8

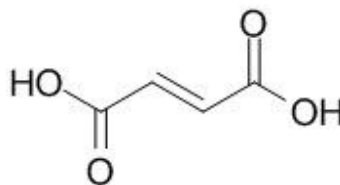
**Purity:** > 95%

**M.F:** C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>

**M.W:** 116.1

**Physical Description:** Powder

**Synonyms:** trans-2-Butenedioic acid.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Fumaria officinalis*.

### [ Biological Activity or Inhibitors ]

Fumaric acid derivatives have antipsoriatic effect.<sup>[1]</sup>

Supplementation of fumaric acid to starter diets during the first 3 to 4 wk after weaning increases the ileal digestibilities of GE, CP, and amino acids.<sup>[2]</sup>

## **[ Solvent ]**

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

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

Mobile phase: Acetonitrile-0.1%Phosphoric acid H<sub>2</sub>O, gradient elution;

Flow rate: 0.5 ml/min;

Column temperature: 38 °C;

The wave length of determination: 210 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Altmeyer P J, Mattlies U, Pawlak F, *et al. J. Am. Acad. Dermatol.*, 1994, 30(6):977-81.

[2] Blank R, Mosenthin R, Sauer W C, *et al. J. Anim. Sci.*, 1999, 77(11):2974-84.

[3] Zhang J L. *Chinese Journal of Pharmaceutical Analysis*, 2007, 27(9):1470-2.

## **[ Contact ]**

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