**[Product Information]**

**Name:** Tamarixetin

**Catalog No.:** CFN97027

**Cas No.:** 603-61-2

**Purity:** > 95%

**M.F:** $\text{C}_{16}\text{H}_{12}\text{O}_7$

**M.W:** 316.26

**Physical Description:** Yellow powder

**Synonyms:** 4′-Methoxy-3,3′,5,7-tetrahydroxy-flavone; 4′-Methoxyquercetin; 3,5,7-Trihydroxy-2-(3-hydroxy-4-methoxyphenyl)-4-benzopyrone.

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**[Intended Use]**

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

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**[Source]**

The herbs of *Heracleum stenopterum*.

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**[Biological Activity or Inhibitors]**
Tamarixetin has cytotoxic against leukemia cells and in particular P-glycoprotein-overexpressing K562/ADR cells, it inhibits proliferation in a concentration- and time-dependent manner, induces apoptosis and blocked cell cycle progression at G2-M phase.[1]

Tamarixetin has vasodilator effects in rat isolated vessels.[2]

[ Solvent ]

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

[ HPLC Method ][3]

Mobile phase: Methanol- 0.15% Aqueous formic acid solution (pH: 2.8), gradient elution;
Flow rate: 1.0 ml/min;
Column temperature: 35 °C;
The wave length of determination: 254 nm.

[ Storage ]

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

[ References ]


[ Contact ]

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