

Oroxin A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Oroxin A

Catalog No.: CFN99712

Cas No.: 57396-78-8

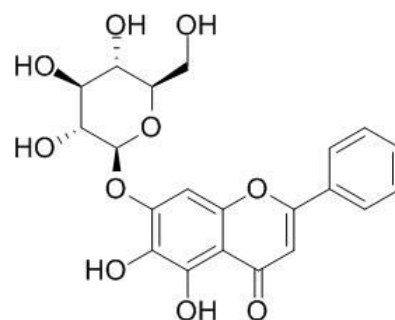
Purity: > 98%

M.F: C₂₁H₂₀O₁₀

M.W: 432.38

Physical Description: Yellow cryst.

Synonyms: Biacalein 7-O-glucoside; Baicalein 7-glucoside.



[Intended Use]

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

[Source]

The roots of *Scutellaria baicalensis*.

[Biological Activity or Inhibitors]

Oroxin A exerts its antibreast cancer effects by inducing ER stress-mediated senescence, activating the key stress signaling pathway, and increasing key ER stress genes and expression levels.^[1]

Oroxin A and oroxin B are xanthine oxidase (XO) inhibitors.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[3]

Mobile phase: Methy1 cyanide- PBS,gradient elution ;

Flow rate: 0.5 ml/min;

Column temperature: 35 °C;

The wave length of determination: 280 nm.

[Storage]

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

[References]

[1] He J, Du L, Bao M, *et al. Anti-Cancer Drugs*, 2016, 27(3):204-15.

[2] Li D Q, Zhao J, Li S P, *et al. Anal. Bioanal. Chem.*, 2014, 406(7):1975-84.

[3] Yao Y. *China Pharmacist*, 2010, 13(12):1751-2.

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