

Kansuinine A Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Kansuinine A

Catalog No.: CFN92863

Cas No.: 57701-86-7

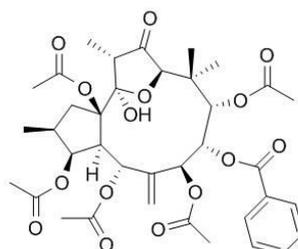
Purity: >=95%

M.F: C₃₇H₄₆O₁₅

M.W: 730.8

Physical Description: Powder

Synonyms: Kansuinin A.



[Intended Use]

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

[Source]

The roots of *Euphorbia kansui*.

[Biological Activity or Inhibitors]

Kansuinine A and B, from *E. KANSUI* have an inhibitory effect on IL-6-induced Stat3

activation by activating ERK1/2, inhibition of MEK significantly blocks the effects of them on IL-6-induced Stat3 activation and tyrosine phosphorylation, suggests that blocking of IL-6-induced signal transduction is partially due to the sustained activation of ERK1/2 by kansuine A and B, which in turn results in an increase of Stat3 serine phosphorylation and SOCS-3 expression.^[1]

Kansuine A and B are toxic ingredients in Kansui Radix, the contents of them decreased after being processed with vinegar .^[2]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol- H₂O ,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 38 °C;

The wave length of determination: 235 nm.

[Storage]

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

[References]

[1] Chang J S, Lee S W, Park M H, *et al. Planta Med.*, 2010, 76(14):1544-9.

[2] Li Z J, Li Y, Lan G, *et al. Chinese Traditional Patent Medicine*, 2011, 33(12):2122-5.

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