[**Product Information**]

**Name:** Coixol

**Catalog No.:** CFN98889

**Cas No.:** 532-91-2

**Purity:** > 95%

**M.F:** C₈H₇NO₃

**M.W:** 165.15

**Physical Description:** Powder

**Synonyms:** 6-Methoxy-2-Benzoazolinone; 3,5-Dinitro-4-chlorotrifluorotuene; 6-Methoxy-1,3-benzoxazol-2(3H)-one.

[**Intended Use**]

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

[**Source**]

The seed of *Coix lacryma-jobi L. var. meyuan (Romen.) Stap.*

[**Biological Activity or Inhibitors**]
Coixol, the characteristic component among the examined five natural products derived from C. Lachryma - Jobi var. ma - yuen, can regulate gene expression, production and secretion of mucin, by directly acting on airway epithelial cells.\[1\]

Coixol exerts an exclusive glucose-dependent insulinotropic effect in \( \beta \) TC-6 cells.\[2\]

Coixol has pharmacological properties qualitatively similar to chlorzoxazone and acts as a central muscle relaxant with an anti-convulsant effect.\[3\]

[ Solvent ]

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

[ HPLC Method ]\[4\]

Mobile phase: Acetonitrile-1%Phosphoric acid H2O=25:75;
Flow rate: 1.0 ml/min;
Column temperature: 25 \(^{\circ}\)C;
The wave length of determination: 232 nm.

[ Storage ]

2-8\(^{\circ}\)C, Protected from air and light, refrigerate or freeze.

[ References ]


[ Contact ]

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