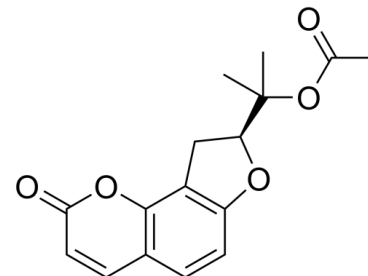


## Data Sheet

<b>Product Name:</b>	(+)-Columbianetin acetate
<b>Cat. No.:</b>	CS-0032511
<b>CAS No.:</b>	23180-65-6
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>16</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	288.30
<b>Target:</b>	Fungal
<b>Pathway:</b>	Anti-infection
<b>Solubility:</b>	DMSO : 100 mg/mL (346.86 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

(S)-Columbianetin acetate is an isomer of Columbianetin. Columbianetin is a phytoalexin associated with celery (*Apium graveolens*) resistance to pathogens during storage. Columbianetin exhibits excellent anti-fungal and anti-inflammatory activity<sup>[1][2]</sup>.

### References:

[1]. UziAfeq, et al. Columbianetin, a phytoalexin associated with celery resistance to pathogens during storage. 1995. Volume 39, Issue 6, August 1995, Pages 1347-1350.

[2]. Jeong HJ, et al. Anti-inflammatory effect of Columbianetin on activated human mast cells. *Biol Pharm Bull.* 2009 Jun;32(6):1027-31.

### CAIndexNames:

2H-Furo[2,3-h]-1-benzopyran-2-one, 8-[1-(acetyloxy)-1-methylethyl]-8,9-dihydro-, (8S)-

### SMILES:

O=C1C=CC2=C(C3=C(O[C@H](C(C)(OC(C)=O)C)C3)C=C2)O1

**Caution: Product has not been fully validated for medical applications. For research use only.**

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