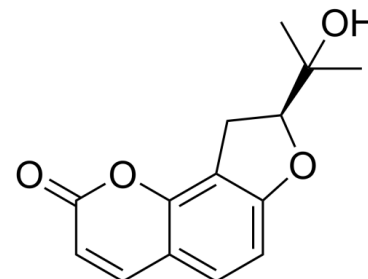


Data Sheet

Product Name:	(+)-Columbianetin
Cat. No.:	CS-0008912
CAS No.:	3804-70-4
Molecular Formula:	C ₁₄ H ₁₄ O ₄
Molecular Weight:	246.26
Target:	Fungal
Pathway:	Anti-infection
Solubility:	DMSO : 100 mg/mL (406.07 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

(+)-Columbianetin 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^{[1][2]}.

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, 8,9-dihydro-8-(1-hydroxy-1-methylethyl)-, (8S)-

SMILES:

O=C1C=CC2=CC=C(O[C@H](C(C)(O)C)C3=C2O1

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

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