[Product Information]

Name: Wogonoside
Catalog No.: CFN99710
Cas No.: 51059-44-0
Purity: > 98%
M.F: C_{22}H_{20}O_{11}
M.W: 460.39

Physical Description: Yellow cryst.

Synonyms: Glychionide B; Oroxindin; Wogonin 7-O-glucuronide; Wogonin 7-glucuronide; 5-Hydroxy-8-methoxy-4-oxo-2-phenyl-4H-1-benzopyran-7-yl-beta-D-glucopyranosiduronic acid.

[Intended Use]

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

[Source]

The herbs of *Scutellaria baicalensis Georgi.*
**[Biological Activity or Inhibitors]**

Wogonoside, the glucuronide metabolite of wogonin, has anti-inflammatory, anti-angiogenic and anticancer effects, it may exert its anti-inflammatory effect via dual inhibition of NF-κB and NLRP3 inflammasome, suggests that wogonoside might be a potential effective drug for inflammatory bowel diseases.[1]

Wogonoside, isolated from Scutellaria baicalensis, it markedly inhibits histamine release in cells stimulated with calcium ionophore A23187 or compound 48/80 and markedly inhibits LTB4 production at the concentration of 100 μM.[2]

Wogonoside inhibits lipopolysaccharide-induced angiogenesis in vitro and in vivo via toll-like receptor 4 signal transduction, and that it might have a therapeutic potential for the diseases associated with the development of both inflammation and progress.[3]

Wogonoside induces cell cycle arrest and differentiation by affecting expression and subcellular localization of PLSCR1 in acute myeloid leukemia (AML) cells, it may represent a therapeutic candidate for the treatment of AML.[4]

Wogonoside partially inhibits MDA-MB-231 cell growth by inducing autophagy through the MAPK-mTOR pathway and may be a promising anti-tumor agent.[5]

Wogonoside inhibits thrombin-catalyzed fibrin polymerization and platelet aggregation, it also elicits anticoagulant effects in mice, it possesses antithrombotic activities and offers a basis for development of a novel anticoagulant.[6]

**[Solvent]**

Pyridine, DMSO, Methanol, Ethanol, Hot water, etc.

**[HPLC Method][7]**

Mobile phase: Acetonitrile- Phosphate buffer, gradient elution;

Flow rate: 1.5 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 276 nm.
[ Storage ]
2-8°C, Protected from air and light, refrigerate or freeze.

[ References ]

[ Contact ]
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