

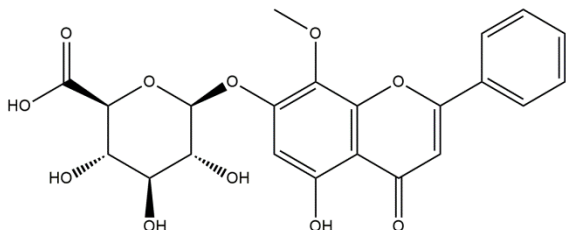
Wogonoside

11/19

ALTERNATE NAMES: Wogonin 7-O-glucuronide; Oroxindin; (2S,3S,4S,5R,6S)-3,4,5-trihydroxy-6-(5-hydroxy-8-methoxy-4-oxo-2-phenylchromen-7-yl)oxyoxane-2-carboxylic acid; 5,7-dihydroxy-8-methoxyflavone 7-O-beta-D-glucuronide; 5-hydroxy-8-methoxy-4-oxo-2-phenyl-4H-chromen-7-yl beta-D-glucopyranosiduronic acid; Glychionide B; Wogonin 7-O-β-D-Glucuronopyranoside

CATALOG #: B2953-5 5 mg
B2953-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₂₀O₁₁

MOLECULAR WEIGHT: 460.39

CAS NUMBER: 51059-44-0

APPEARANCE: Solid

PURITY: ≥95%

SOLUBILITY: Soluble in DMSO

DESCRIPTION: Wogonoside is a flavonoid with antioxidant, anti-cancer and anti-angiogenic activity. Wogonoside inhibits the growth of U937 and HL-60 cells. It arrests the cell cycle at the G0/G1 phase and decreases the G2/M and S phases in these cells in a dose dependent manner at concentrations of 50 μM, 100 μM, and 150 μM. It inhibits LPS-induced angiogenesis by inhibiting the toll-like receptor 4 upregulation.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCES:

1. Cui, X., Cai, H., Li, H. et al. Simultaneous Determination of 10 Flavonoids in Crude and Wine-Processed Radix scutellariae by UHPLC. J Chromatogr Sci. 54(3):312-7 (2016).
2. Chen, Y., Hui, H., Yang, H. et al. Wogonoside induces cell cycle arrest and differentiation by affecting expression and subcellular localization of PLSCR1 in AML cells. Blood. 121(18):3682-91 (2013).
3. Chen, Y., Lu, N., Ling, Y. et al. Wogonoside inhibits lipopolysaccharide-induced angiogenesis in vitro and in vivo via toll-like receptor 4 signal transduction. Toxicology. 259(1-2):10-7 (2009).

RELATED PRODUCTS:

Astilbin (Cat. No. B2616)
 Luteolin (Cat. No. 2005)
 Chrysin (Cat. No. B2608)
 Flavopiridol (Cat. No. 2090)
 Xanthohumol (Cat. No. 2258)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*