Product Data Sheet

Product Name: Wogonin
CAS No.: 632-85-9
Cat. No.: HY-N0400
MWt: 284.26
Formula: C16H12O5
Purity: >98%
Solubility: DMSO 10 mg/ml

Mechanisms:
Pathways: Others; Target: Others

Biological Activity:
Wogonin is a cell-permeable and orally available flavonoid that displays anti-inflammatory and anticancer properties.

IC50 value:
Target:
in vitro: wogonin induced a G1 phase cell cycle arrest in HCT116 cells in a concentration- and time-dependent manner. Meanwhile, the cell cycle-related proteins, such as cyclin A, E, D1, and CDK2, 4 were down-regulated in wogonin-induced G1 cell cycle arrest. Furthermore, we showed that the anti-proliferation and G1 arrest effect of wogonin on HCT116 cells was associated with deregulation of Wnt/β-catenin signaling pathway [1]. Wogonin could potently promote Aβ clearance in the primary neural astrocytes and significantly decrease Aβ secretion in SH-SY5Y-APP and BACE1 cells through the mTOR/autophagy signaling pathway [2]. wogonin not only inhibited the expression and interaction of TLR4, MyD88, and TAK1, but also reduced the acti...

References:
[5]. Yang H, et al. Wogonin induces cell cycle arrest and erythroid differenti...

Caution: Not fully tested. For research purposes only
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