

Product Name: Formonentin

Product Number: F038

CAS Number: 485-72-3

Molecular Formula: $C_{16}H_{12}O_4$

Molecular Weight: 268.26

Description: Formononetin is an isoflavonoid isolated from a variety of plants including *Astragalus membranaceus*, a traditional Chinese medicinal herb. It demonstrates many antimicrobial benefits including anti-inflammatory and antiviral activity, and anticancer activity against a variety of cancers including breast and lung cancer.

References: Yang, Y., Zhao, Y., Ai, X., Cheng, B., & Lu, S. (2014). Formononetin suppresses the proliferation of human non-small cell lung cancer through induction of cell cycle arrest and apoptosis. *International Journal of Clinical & Experimental Pathology*, 7(12), 8453-8461.

Wang, H., Zhang, D., Ge, M., Li, Z., Jiang, J., & Li, Y. (2015). Formononetin inhibits enterovirus 71 replication by regulating COX-2/PGE2 expression. *Virology Journal*, 12(1), 35. doi:10.1186/s12985-015-0264-x