PRODUCT: Xanthohumol

ALTERNATE NAME: (2E)-1-[2,4-Dihydroxy-6-methoxy-3-(3-methyl-2-buten-1-yl)phenyl]-3-(4-hydroxyphenyl)-2-propen-1-one; XN

CATALOG #: 2258-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C_{21}H_{22}O_{5}

MOLECULAR WEIGHT: 354.40

CAS NUMBER: 6754-58-1

APPEARANCE: Yellow solid

SOLUBILITY: DMSO (~35 mg/ml) or Ethanol (~ 35 mg/ml)

PURITY: ≥98% by TLC

STORAGE: At -20°C. Protect from light and moisture

DESCRIPTION: Cell-permeable. A bioactive flavonoid antioxidant found in the flowering hops plant. Binds to the N-terminal domain of valosin-containing protein (VCP), an essential protein for autophagosome maturation. Xanthohumol inhibits the function of VCP thereby impairing autophagosome maturation and resulting in accumulation of the microtubule-associated protein 1 light chain 3-II (LC3-II). Impairs prostate cancer cell growth and proliferation.


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

RELATED PRODUCTS:
- Amiodarone Hydrochloride (Cat. No. 1828-100, 500)
- ATM Kinase Inhibitor, KU-55933 (Cat. No. 1685-5)
- Bafilomycin A1 (Cat. No. 1829-50, 250)
- Chloroquine diphosphate (Cat. No. 1825-100, 500)
- Dorosomorphin (Cat. No. 1686-5)
- Go6976 (Cat. No. 1711-500)
- EZSolution™ Go6976 (Cat. No. 1785-500)
- 3-Methyladenine (Cat. No. 2249-25, 100)
- SMER28 (Cat. No. 1856-5, 25)
- Spautin-1 (Cat. No. 2037-5, 25)

USAGE: FOR RESEARCH CH USE ONLY! Not to be used in humans