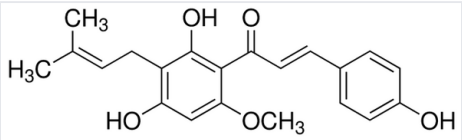
Xanthohumol Small Molecule

PRODUCT OVERVIEW

Product Name	Xanthohumol, Small Molecule
Full Product Name	Xanthohumol
Product Synonym Names	Autophagy inhibitor; (2E)-1-[2,4-Dihydroxy-6-methoxy-3-(-3-methyl-2-buten-1-yl)phenyl]-3-(4-hydroxyphenyl)--2-propen-1-one
Host	Synthetic
Form/Format	Yellow solid
Purity/Purification	>=98% (TLC); NMR (Conforms)
Preparation and Storage	Store at -20 degree C.
Molecular Weight	354.4
Solubility	May be dissolved in DMSO (35 mg/ml) or Ethanol (35 mg/ml)
CAS Number	6754-58-1
Molecular Formula	C21H22O5
SMILES	CC(=CCC1=C(C(=C(C=C1O)OC)C(=O)/C=C/C2=CC=C(C=C2)O)O)C
InChI	1S/C21H22O5/c1-13(2)4-10-16-18(24)12-19(26-3)20(21(16)25)17(23)11-7-14-5-8-15(22)9-6-14/h4-9,11-12,22,24-25H,10H2,1-3H3/b11-7+
InChI Key	ORXQGKIUCDPEAJ-YRNVUSSQSA-N
PubChem CID	639665
Product Categories/Family for Xanthohumol small molecule	Small Molecules; Inhibitor; Cancer; Autophagy
Related Product Information for Xanthohumol small molecule	Xanthohumol is a valosin-containing protein (VCP) inhibitor which binds to the N-domain of VCP, suppressing function and impairing autophagosome maturation (1). It also inhibits growth of a wide variety of human cancer cell lines by inhibiting proliferation and inducing apoptosis (2).
Product References and Citations for Xanthohumol small molecule	1. Sasazawa Y., et al. (2012) ACS Chem Biol. 7(5): 892-900. 2. Vene R., et al. (2012) Mol. Med. 18: 1292.
Other Notes	Small volumes of Xanthohumol small molecule vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Xanthohumol purchase	MBS808074 is a small molecule targeting Xanthohumol. Host: Synthetic.



Chemical Structure of Xanthohumol small molecule
Chemical structure of Xanthohumol (SIH-370), a Autophagy inhibitor. CAS #: 6754-58-1.
Molecular Formula: C21H22O5. Molecular Weight: 354.4 g/mol.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/small-molecule/xanthohumol/808074