

Xanthohumol, VCP inhibitor / Autophagy inhibitor

Catalog	Unit
TBI1188-5MG	5 mg
TBI1188-25MG	25 mg

Product Details

Molecular Formula: C₂₁H₂₂O₅

Formula Weight: 354.41

CAS Number: 6754-58-1

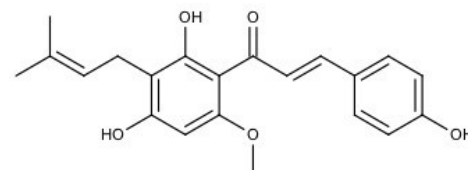
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 35 mg/ml) or in Ethanol (up to 35 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

VCP inhibitor / Autophagy inhibitor

Functions

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. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 35 mg/ml) or in Ethanol (up to 35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.