

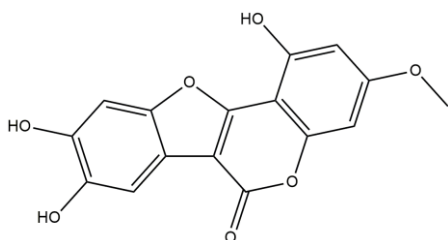
Wedelolactone

5/19

ALTERNATE NAMES: 7-Methoxy-5,11,12-trihydroxy-coumestan, 1,8,9-Trihydroxy-3-methoxycoumestan, 1,8,9-Trihydroxy-3-methoxy-6H-[1]benzofuro[3,2-c]chromen-6-one
 1,8,9-trihydroxy-3-methoxy-6H-benzofuro[3,2-c][1]benzopyran-6-one
 IKK inhibitor

CATALOG #: B2811-1 1 mg
 B2811-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₁₀O₇

MOLECULAR WEIGHT: 314.25

CAS NUMBER: 524-12-9

APPEARANCE: Crystalline solid

PURITY: >98%

SOLUBILITY: ~20 mg/ml in Ethanol
 ~30 mg/ml in DMSO and DMF

DESCRIPTION: Wedelolactone is a natural coumestan that irreversibly inhibits IKK in NF-κB signaling pathway. IKK phosphorylates the IκBα protein, which results in the degradation and dissociation of IκBα from NF-κB leading to NF-κB activation. Wedelolactone has anti-inflammatory effect through inhibiting IKK activity and caspase-11 expression. It improves lipid metabolism partly by AMPK activation and up-regulation of expression of PPARα/Lipoprotein Lipase and Low Density Lipoprotein Receptor.

STORAGE TEMPERATURE: -20°C. This product is light sensitive. Store in dark. Store under desiccating conditions.

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

RELATED PRODUCTS:

Sulfasalazine (Cat. No. B2331)
 Triptolide (Cat. No. 1761)
 Parthenolide (Cat. No. 1868)
 SC-514 (Cat. No. 2442)
 BAY 11-7082 (Cat. No. 1867)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*