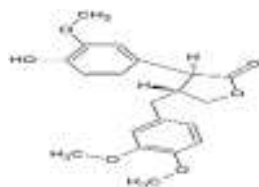


# (-)-Arctigenin

**ALTERNATE NAME:** (3R,4R)-4-[(3,4-dimethoxyphenyl)methyl]-3-[(4-hydroxy-3-methoxyphenyl)methyl]oxolan-2-one  
Arctigenin

**CATALOG #:** B2786-10 10 mg  
B2786-50 50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>21</sub>H<sub>24</sub>O<sub>6</sub>

**MOLECULAR WEIGHT:** 372.41

**CAS NUMBER:** 7770-78-7

**APPEARANCE:** Off-white solid

**PURITY:** ≥98%

**SOLUBILITY:** >30 mg/ml DMSO  
>5 mg/ml Ethanol

**DESCRIPTION:** Arctigenin is a lignan found in the root of *A. lappa*. It displays antioxidant, anti-inflammatory, antiproliferative, and antiviral activity. At 0.1 μM, arctigenin can block the activation of Akt induced by glucose starvation in pancreatic cancer PANC-1 cells, which is a key process in the tolerance exhibited by cancer cells to glucose starvation. Arctigenin also demonstrates a therapeutic effect in ischemic stroke treatment of middle cerebral artery occluded rats by suppressing microglia activation and decreasing IL-1β and TNF-α expression.

**STORAGE TEMPERATURE:** -20°C. Protect from moisture

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

**RELATED PRODUCTS:**

Isoxanthohumol (2529)  
Rhapontigenin (2074)  
Carnosic Acid (2075)  
Demethoxycurcumin (B2945)

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