Sesamolin

**ALTERNATE NAME:** 5-[(1S,3aR,4R,6aR)-4-(1,3-Benzodioxol-5-yloxy)tetrahydro-1H,3H-furo[3,4-c]furan-1-y1]-1,3-benzodioxole

**CATALOG #:**
- B2780-1  1 mg
- B2780-5  5 mg

**STRUCTURE:**

![Sesamolin Structure](image)

**MOLECULAR FORMULA:** \( C_{20}H_{18}O_7 \)

**MOLECULAR WEIGHT:** 370.35

**CAS NUMBER:** 526-07-8

**APPEARANCE:** White to off-white solid

**PURITY:** ≥97%

**SOLUBILITY:** ~10 mg/ml DMSO

**DESCRIPTION:** Sesamolin is a furofuran lignan extracted from sesame seeds. It displays beneficial biological properties such as antioxidant, anti-mutagenic, anti-aging and anti-inflammatory activities. Also known to inhibit lipid peroxidation in rat liver and kidney. Sesamolin enhances NK cell lysis activity by increasing the expression of NKG2D ligands on Burkitt’s lymphoma cells, presenting a potential immunotherapeutic value for cancer treatment. In addition, it has been demonstrated that sesamolin inhibits β-secretase, presenting an important role for prevention of dementia by daily consumption.

**STORAGE TEMPERATURE:** -20ºC. Protect from light

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

**RELATED PRODUCTS:**
- Isoliquiritigenin (2528)
- 6-Gingerol (2507)
- Carnosic Acid (2075)
- Baicalein (B2309)

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