

Catalog	Unit
TBI2512 - 10MG	10 mg
TBI2512 - 50MG	50 mg

### Product Details

**Formal Name:** 5-[(3S,3aR,6S,6aR)-3-(1,3-Benzodioxol-5-yl)-1,3,3a,4,6,6a-hexahydrofuro[3,4-c]furan-6-yl]-1,3-benzodioxole

**Molecular Formula:** C<sub>20</sub>H<sub>18</sub>O<sub>6</sub>

**Formula Weight:** 354.36

**CAS Number:** 607-80-7

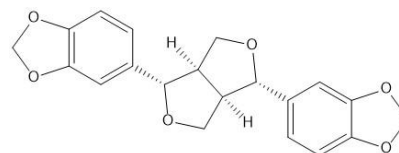
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Anti-inflammatory natural product

### Functions

Sesamin (607-80-7) is a natural product derived from sesame seeds with anticancer, antioxidant, anti-inflammatory/immunomodulatory, and antidiabetic effects. It also displayed effects on cholesterol and fatty acid metabolism. Sesamin was recently found to inhibit bacterial L-tryptophan indole lyase ( $K_i = 7 \mu\text{M}$ ). This enzyme reacts with dietary tryptophan to produce the uremic toxin indoxyl sulfate which exacerbates chronic kidney disease.

### Application Procedures

First dissolved in DMSO (25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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