

Sesamin, Anti-inflammatory natural product

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: C₂₀H₁₈O₆

Formula Weight: 354.36

CAS Number: 607-80-7

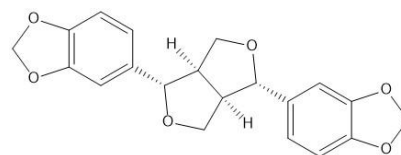
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (> 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.

For research use only.