

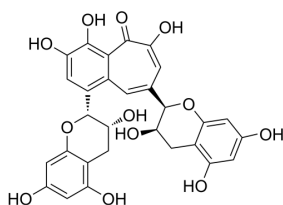
## Theaflavin

Cat. No.: HY-N0243  
 CAS No.: 4670-05-7  
 Batch No.: 63060  
 Chemical Name: 5H-Benzocyclohepten-5-one, 1,8-bis[(2R,3R)-3,4-dihydro-3,5,7-trihydroxy-2H-1-benzopyran-2-yl]-3,4,6-trihydroxy-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{29}H_{24}O_{12}$   
 Molecular Weight: 564.49  
 Storage: Powder -20°C 3 years  
 4°C 2 years  
 In solvent -80°C 6 months  
 -20°C 1 month

#### Chemical Structure:



### ANALYTICAL DATA

Appearance: Brown to reddish brown (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
 LCMS: Consistent with structure  
 Purity (LCMS): 99.69%  
 Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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