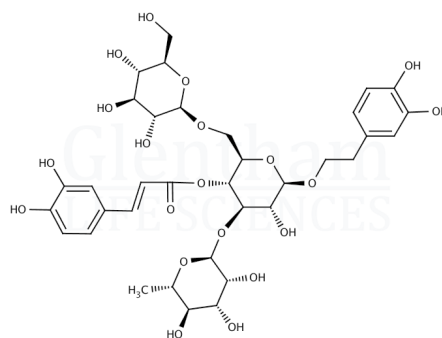


## Certificate of Analysis

Product Name Echinacoside  
Glentham Code GL0233  
CAS Number 82854-37-3  
MDL Number MFCD00075695  
PubChem SID 310272494  
Batch Number 659AGI

Molecular Weight 786.73  
Molecular Formula  $C_{35}H_{46}O_{20}$   
Storage Temp. +4°C



| Property                | Specification                   | Batch 659AGI |
|-------------------------|---------------------------------|--------------|
| Physical Description    | White off-white or beige powder | White powder |
| Identification (1H-NMR) | To conform to structure         | Conforms     |
| Water (KF)              | ≤ 5.0%                          | 3.0%         |
| Purity (HPLC)           | ≥ 98.0%                         | 99.4%        |

Specification Version v1.0  
Manufacture Date 2023-03-12  
Re-Test Date 2031-05-30

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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