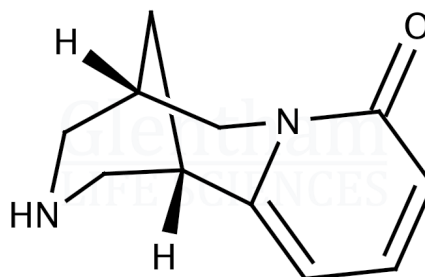


## Certificate of Analysis

Product Name Cytisine  
Glentham Code GP1733  
CAS Number 485-35-8  
EINECS 207-616-0  
MDL Number MFCD00136048  
PubChem SID 310270788  
Batch Number 712NCC

Molecular Weight 190.24  
Molecular Formula  $C_{11}H_{14}N_2O$   
Storage Temp. +20°C



| Property                                        | Specification                              | Batch 712NCC               |
|-------------------------------------------------|--------------------------------------------|----------------------------|
| Physical Description                            | White to yellow powder                     | Off-white powder           |
| Solubility (5% in water)                        | Clear, colourless to light-yellow solution | Clear, colourless solution |
| Specific Optical Rotation ( $[\alpha]_{20/D}$ ) | -109.0 - -114.0 ° (c=1, ethanol)           | Conforms                   |
| Melting Point                                   | 153.0 - 158.0 °C                           | 156.9 - 157.8 °C           |
| Water                                           | ≤ 5.0%                                     | 0.2%                       |
| Purity (HPLC)                                   | ≥ 98.0%                                    | 98.5%                      |

Specification Version v1.1  
Manufacture Date 2020-01-15  
Re-Test Date 2028-03-24

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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