

Product Specifications

PRODUCT NAME:

Baicalin (natural)

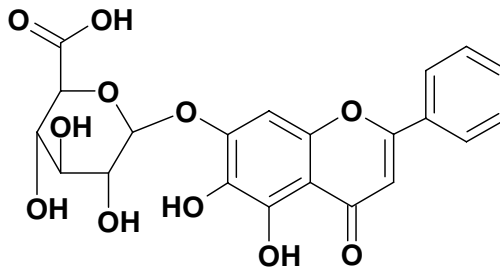
Syn:

Baicalein 7-D-glucuronide; β -D-Gluopyranosiduronic Acid, 5,6-Dihydroxy-4-oxo-2-phenyl-4H-1-benzopyran-7-yl

CAS No.

21967-41-9

Structure



Molecular Formula

C₂₁H₁₈O₁₁

Molecular Weight

446.35

Plant Species

Scutellaria baicalensis Georgi (root)

Extraction Solvents

Water and Ethanol

Shelf Life

3 years

Test

Specification

Appearance

Light-yellow, microcrystalline solid

Identification

TLC; UV / Vis.

LOD

5.0% max.

Solubility

Soluble in basic aqueous solution (Na₂CO₃, NaHCO₃, NaOH) or basic organic solvent (pyridine), but solutions are unstable and slowly turn brown

Ash Content

2.0% max.

Mp

211-216 °C

Specific rotation, $[\alpha]^{18}_D$

+123 °, (c=0.2 py/H₂O) [lit.]

Assay

≥ 95% (UV-VIS); ≥ 95% (hplc); ≥ 98% (hplc)

Heavy Metals

< 20 ppm

Residual Solvent

Ethanol

Pesticide Residue

None Detected

Excipients or Colorants

None

MICROBIAL ASSAY

Total Aerobic Plate Count Includes:	<100 organisms/g
<i>E. coli,</i>	negative
<i>Salmonella</i>	negative
<i>Staphylococcus aureus</i>	negative
<i>Aspergillus</i> species	negative
<i>Listeria</i>	negative
<i>Pseudomonas</i>	negative
Total Mold/Yeast	<100 cfu/g
