

Product Information

Baicalin

Cat. No.: X23-04-XQ320

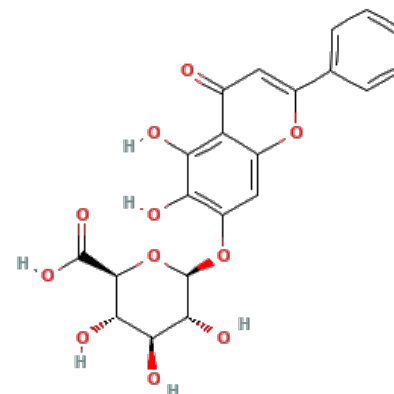
Size: 20 mg; 50 mg; 100 mg; 200 mg; 500 mg; 1 g

MDL: MFCD00134418

CAS Number: 21967-41-9

Compound CID: 64982

Synonym: 21967-41-9; Baicalin; Baicalein 7-O-glucuronide; 7-D-Glucuronic acid-5,6-dihydroxyflavone; Baikalin; Baicaloside; Baicalein 7-beta-D-glucopyranosiduronate



This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Baicalin is a flavonoid compound with anti-inflammatory and anti-oxidant activity extracted from <i>Scutellaria rivularis</i> .
Molecular Weight	446.37
Molecular Formula	C ₂₁ H ₁₈ O ₁₁
IUPAC Name	(2S,3S,4S,5R,6S)-6-(5,6-Dihydroxy-4-oxo-2-phenylchromen-7-yl)oxy-3,4,5-trihydroxyoxane-2-carboxylic acid
InChI	InChI=1S/C21H18O11/c22-9-6-10(8-4-2-1-3-5-8)30-11-7-12(14(23)15(24)13(9)11)31-21-18(27)16(25)17(26)19(32-21)20(28)29/h1-7,16-19,21,23-27H,(H,28,29)/t16-,17-,18+,19-,21+/m0/s1
InChI Key	IKIIZLYTISPENI-ZFORQUDYSA-N
Canonical SMILES	C1=CC=C(C=C1)C2=CC(=O)C3=C(C(=C(C=C3O2)OC4C(C(C(C(O4)C(=O)O)O)O)O)O)O
Isomeric SMILES	C1=CC=C(C=C1)C2=CC(=O)C3=C(C(=C(C=C3O2)O)[C@H]4[C@@H]([C@H]([C@@H]([C@H](O4)C(=O)O)O)O)O)O)O
Source	Dried roots of <i>Labiatae</i> and <i>Scutellaria baicalensis Georgi</i>
Form	Light yellow crystalline powder
Purity	>98%, determined by HPLC.
Solubility	It is easily soluble in N, N-dimethylformamide and pyridine, and soluble in alkaline solutions such as sodium bicarbonate, sodium carbonate and sodium hydroxide. However, it is unstable in lye and gradually becomes dark brown. It is slightly soluble in hot glacial acetic acid, hardly soluble in formic acid, acetic acid, acetone, almost insoluble in water, ether, benzene, chloroform.



Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Melting Point	202-205°C
Applications	Baicalin can be used for antibacterial, choleric, anti-inflammatory, anti-allergic, antipyretic, detoxifying, diuretic, and antihypertensive effect experiments, <i>etc.</i>
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment	Gloves, eyeshields, N95 mask
--------------------------------------	------------------------------
