



Baicalin

Cat. No.:	OB0225LY-0441
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR and HPLC.
Size:	50 mg; 100 mg; 500 mg

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

Product Overview

Description	Baicalin is a flavonoid extracted from <i>Scutellaria baicalensis</i> (<i>Scutellaria baicalensis</i>), which possesses a variety of biological activities and is of particular interest in the antioxidant and anti-inflammatory fields.
Synonym	Baicalein 7-O-β-D-glucuronide; 21967-41-9; Baicalein 7-O-glucuronide; 7-D-Glucuronic acid-5,6-dihydroxyflavone; Baicalein 7-glucuronide
CAS No.	21967-41-9
Compound CID	64982
Formula	C ₂₁ H ₁₈ O ₁₁
Formula Weight	446.36

Specification

Source	<i>Scutellaria baicalensis</i>
Relative Density	1.737 g/cm ³
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



SMILES string	<chem>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</chem>
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	Baicalin can be used to study inflammatory response mechanisms or play an important role in antioxidant development.

Library Information

Targets	Ligand-gated ion channels; Transcription factors; Viral enzymes
Receptors	GABAR; HIV protease; NF-κB
Pathways	Neuronal signaling; Proteases/Proteasome; Microbiology/Virology; Membrane transporter/Ion channel; NF-κB; Autophagy
Plate Number	AOCL-6
Plate Location	f8
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	16.67 mg/mL; 37.34 mM
Water Max Solubility	<1 mg/mL (insoluble or slightly soluble)
Ethanol Max Solubility	<1 mg/mL (insoluble or slightly soluble)