

## Product Information

### Cytochrome P450 inhibitor, Baicalein, Purity ≥98%

**Cat. No.:** X24-08-YM356

**Size:** 50 mg; 100 mg; 200 mg; 500 mg

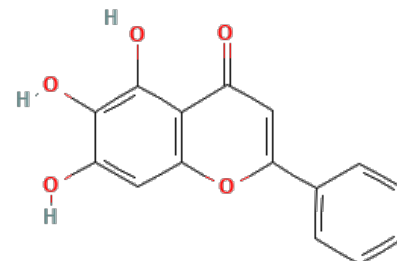
**MDL:** MFCD00017459

**CAS Number:** 491-67-8

**Compound CID:** 5281605

**Synonym:** 491-67-8; 5,6,7-Trihydroxyflavone; Noroxylin;

5,6,7-Trihydroxy-2-phenylchromen-4-one



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

#### Product Information

<b>Description</b>	Baicalein, soluble in DMSO and insoluble in water and ethanol, is an effective cell metabolism inhibitor, that has the ability to prevent the pathway of metabolism by inhibiting cytochrome P450.
<b>Molecular Weight</b>	270.2
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>
<b>IUPAC Name</b>	5,6,7-Trihydroxy-2-phenylchromen-4-one
<b>InChI</b>	InChI=1S/C15H10O5/c16-9-6-11(8-4-2-1-3-5-8)20-12-7-10(17)14(18)15(19)13(9)12/h1-7,17-19H
<b>InChI Key</b>	AGOYDEPGAOXOCK-KCBOHYOISA-N
<b>Canonical SMILES</b>	CCC1C(C(C(C(=O)C(CC(C(C(C(C(=O)O1)C)OC2CC(C(C(O2)C)O)(C)OC)C)OC3C(C(CC(O3)C)N(C)C)O)(C)OC)C)C)O)(C)O
<b>Isomeric SMILES</b>	CC[C@@H]1[C@@]([C@@H]([C@H](C(=O)[C@@H](C[C@@]([C@@H]([C@H]([C@@H]([C@H](C(=O)O1)C)O)[C@H]2[C@@]([C@H]([C@@H](O2)C)O)(C)OC)C)O[C@H]3[C@@H]([C@H](C[C@@H](O3)C)N(C)C)O)(C)OC)C)C)O)(C)O
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Titer</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects
<b>Solubility</b>	<i>In vitro</i> : DMSO: 52 mg/mL (192.42 mM); Water: insoluble; Ethanol: insoluble; <i>In vivo</i> : 5% DMSO + 45% PEG 300 + ddH <sub>2</sub> O, 9 mg/mL
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Baicalein is a metabolism inhibitor that plays a key role in research to investigate its effects on



various diseases, including cancer and neurodegenerative disorders.

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**Storage**

Store at -20°C, and keep desiccated.

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