

## Product Datasheet

### Flavokawain B (orb1300239)

<b>Catalog Number</b>	orb1300239
<b>Category</b>	Small Molecules
<b>Description</b>	Flavokawain B is a bioactive chalcone from kava root with demonstrated anti-inflammatory and pro-apoptotic activities in vitro. It modulates NF-κB and MAPK pathways, inhibits inflammatory mediators like NO, and induces ROS-dependent apoptosis in various cancer cell lines, including prostate and colon cancers, supporting its research use in oncology and inflammation studies.
<b>Target</b>	MMP,PI3K,ROS,PARP,Bcl-2 Family,Akt,p38 MAPK,NF-κB,Apoptosis,Caspase
<b>Purity</b>	99.94% (May vary between batches)
<b>MW</b>	284.31
<b>Target Areas</b>	Bcl-2 Family PI3K NF-κB Caspase Akt MMP ROS p38 MAPK Apoptosis PARP
<b>Solubility (25°C)</b>	DMSO:65 mg/mL (228.62 mM);Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.:Soluble
<b>CAS Number</b>	1775-97-9
<b>Formula</b>	C <sub>17</sub> H <sub>16</sub> O <sub>4</sub>
<b>SMILES</b>	<chem>COC1=CC(OC)=C(C(=O)\C=C\C2=CC=CC=C2)C(O)=C1</chem>
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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