



LKT Laboratories, Inc.

## Flavokawain A

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lctlabs.com](mailto:getinfo@lctlabs.com)  
Web: [lctlabs.com](http://lctlabs.com)

### Product Information

Product ID F4502

CAS No. 64680-84-8

**Chemical Name**

**Synonym**

Formula C<sub>18</sub>H<sub>18</sub>O<sub>5</sub>

Formula Wt. 314.33

Melting Point 112-116°C

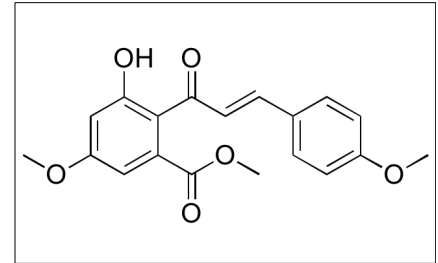
Purity ≥98%

Solubility DMSO 100 mM. Insoluble in water. Soluble in methanol.

Store Temp -20°C

Ship Temp Ambient

**Description** Flavokawain A is a chalcone kavalactone originally found in *Piper methysticum* (kava plant). Flavokawain A exhibits anti-inflammatory and anticancer chemotherapeutic activities. This compound inhibits degradation of IκBα and activation of NF-κB; it also inhibits expression of iNOS and COX-2 in macrophages as well as activity of IκK, PRAK, MAPKAP-K3, DYRK1A, and AurB. In vivo, flavokawain A inhibits urothelial cell carcinoma, decreasing expression of Ki67, XIAP, and survivin, and increasing expression of DR5 and p27.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
F4502	5 mg	\$205.70
F4502	10 mg	\$317.80

**References** Liu Z, Xu X, Li X, et al. Kava chalcone, flavokawain A, inhibits urothelial tumorigenesis in the UPII-SV40T transgenic mouse model. *Cancer Prev Res (Phila)*. 2013 Dec;6(12):1365-75. PMID: 24121102.

Kwon DJ, Ju SM, Youn GS, et al. Suppression of iNOS and COX-2 expression by flavokawain A via blockade of NF-κB and AP-1 activation in RAW 264.7 macrophages. *Food Chem Toxicol*. 2013 Aug;58:479-86. PMID: 23727179.

Folmer F, Blasius R, Morceau F, et al. Inhibition of TNFα-induced activation of nuclear factor kappaB by kava (*Piper methysticum*) derivatives. *Biochem Pharmacol*. 2006 Apr 14;71(8):1206-18. PMID: 16464438.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.