

## Product Data Sheet

Product Name: Flavokawain A

Cat. No.: GC60845

### Chemical Properties

Cas. No. 3420-72-2

SMILES O=C(C1=C(OC)C=C(OC)C=C1O)/C=C/C2=CC=C(OC)C=C2

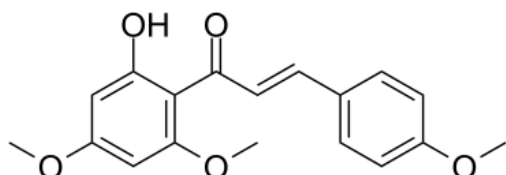
Formula  $C_{18}H_{18}O_5$  M.Wt 314.33

Solubility DMSO: 100 mg/mL (318.14 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



### Background

Flavokawain A, a promising anticarcinogenic agent, is a chalcone from kava extract with anti-tumor activity. Flavokawain A induces cell apoptosis by involvement of Bax protein-dependent and mitochondria-dependent apoptotic pathway. Flavokawain A has the potential for the study of bladder cancer[1].

[1]. Xiaolin Zi, et al. Flavokawain A, a novel chalcone from kava extract, induces apoptosis in bladder cancer cells by involvement of Bax protein-dependent and mitochondria-dependent apoptotic

**Caution: Product has not been fully validated for medical applications. For research use only.**

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pathway and suppresses tumor growth in mice. Cancer Res. 2005 Apr 15;65(8):3479-86.

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