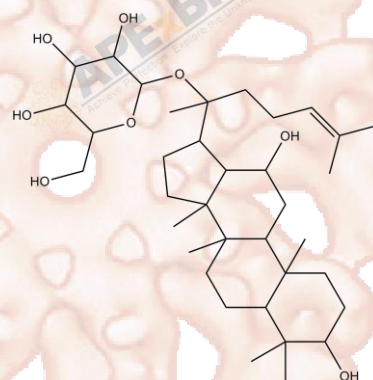


## Product Data Sheet

### Compound K

**Cat. No.:** N1890  
**CAS No.:** 39262-14-1  
**Formula:** C<sub>36</sub>H<sub>62</sub>O<sub>8</sub>  
**M.Wt:** 622.88  
**Synonyms:**  
**Target:** Natural Products  
**Pathway:**  
**Storage:** Store at -20°C



### Solvent & Solubility

insoluble in H<sub>2</sub>O; ≥17.67 mg/mL in EtOH; ≥53 mg/mL in DMSO

In Vitro

	Solvent	Mass Concentration	Mass		
			1mg	5mg	10mg
Preparing Stock Solutions		1 mM	1.6054 mL	8.0272 mL	16.0545 mL
		5 mM	0.3211 mL	1.6054 mL	3.2109 mL
		10 mM	0.1605 mL	0.8027 mL	1.6054 mL

Please refer to the solubility information to select the appropriate solvent.

### Biological Activity

Shortsummary

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

1. Guangting Gao, Lixin Yuan, et al. "Compound K, a metabolite of ginseng saponin, enhances the susceptibility of osteosarcoma cells to cisplatin and induces cell apoptosis via mitochondrion-mediated pathways." Int J Clin Exp Med 2018;11(9):9220-9229.
2. Xia Dong, Hongbo Han, et al. "Compound K, a metabolite of ginseng saponin, induces apoptosis of hepatocellular carcinoma cells through the mitochondria-mediated caspase-dependent pathway." Int J Clin Exp Med 2017;10(7):11146-11156.

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

Specific storage and handling information for each product is indicated on the product datasheet. Most APEx BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

**APEx BIO Technology**

[www.apexbt.com](http://www.apexbt.com)

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

