



LKT Laboratories, Inc.

Wogonoside

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Product Information

Product ID W5727

CAS No. 51059-44-0

Chemical Name

Synonym

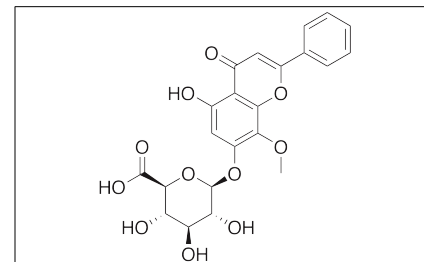
Formula $C_{22}H_{20}O_{11}$

Formula Wt. 460.39

Melting Point

Purity $\geq 98\%$

Solubility



Bulk quantities available upon request

Product ID	Size
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W5727	5 mg
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W5727	10 mg
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W5727	25 mg
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Store Temp Ambient

Ship Temp Ambient

Description Wogonoside is a flavonoid glycoside found in the *Scutellaria* plant; it displays anti-inflammatory, anti-angiogenic, and anticancer chemotherapeutic activities. In vitro, wogonoside decreases levels of nitrous oxide (NO) and prostaglandin E2 (PGE2) and inhibits release of pro-inflammatory cytokines TNF- α and IL-6. Wogonoside also increases p21 and decreases c-Myc, ERK1/2, and p38 MAPK expression in vitro, inducing cell cycle arrest and autophagy in a variety of cancer cell lines. Wogonoside inhibits vessel growth and migration in vitro and in vivo, decreasing phosphorylation of JNK, ERK, and p38 MAPK.

References Yang YZ, Tang YZ, Liu YH. Wogonoside displays anti-inflammatory effects through modulating inflammatory mediator expression using RAW264.7 cells. *J Ethnopharmacol.* 2013 Jun 21;148(1):271-6. PMID: 23612420.

Chen Y, Hui H, Yang H, et al. Wogonoside induces cell cycle arrest and differentiation by affecting expression and subcellular localization of PLSCR1 in AML cells. *Blood.* 2013 May 2;121(18):3682-91. PMID: 23487022.

Sun Y, Zou M, Hu C, et al. Wogonoside induces autophagy in MDA-MB-231 cells by regulating MAPK-mTOR pathway. *Food Chem Toxicol.* 2013 Jan;51:53-60. PMID: 23000445.

Chen Y, Lu N, Ling Y, et al. Wogonoside inhibits lipopolysaccharide-induced angiogenesis in vitro and in vivo via toll-like receptor 4 signal transduction. *Toxicology.* 2009 May 2;259(1-2):10-7. PMID: 19428938.

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