

Product Information

Product ID O6932
CAS No. 28957-04-2
Chemical Name 7a,20-Epoxy-1a,6b,7,14-tetrahydroxy-Kaur-16-en-15-one

Synonym Isodonol, Rubescensin A (high purity)

Formula C₂₀H₂₈O₆
Formula Wt. 364.43

Melting Point

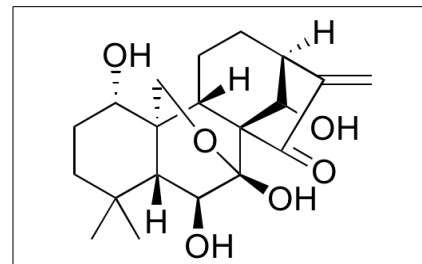
Purity ≥98%

Solubility DMSO 72 mg/mL (197.56 mM)
Ethanol 28 mg/mL (76.83 mM)
Water Insoluble

Store Temp 4°C

Ship Temp Ambient

Description Oridonin is a diterpenoid found in *Rabdosia rubescens*. Oridonin has anti-inflammatory and antibacterial activity but is most widely known for its anticancer chemotherapeutic actions. This compound can bind HSP70 1A and can fit into the DNA double helix, provoking p53-mediated G2/M cell cycle arrest, apoptosis, and autophagy; these effects inhibit tumor growth in a wide variety of cell lines.



Bulk quantities available upon request

Product ID	Size
O6932	5 mg
O6932	25 mg
O6932	100 mg

References Chen Z, Wang Z, Chen J, et al. Resonance light scattering technique as a new tool to determine the binding mode of anticancer drug oridonin to DNA. *Eur J Med Chem.* 2013 Aug;66:380-7. PMID: 23827178.

Dal Piaz F, Cotugno R, Lepore L, et al. Chemical proteomics reveals HSP70 1A as a target for the anticancer diterpene oridonin in Jurkat cells. *J Proteomics.* 2013 Apr 26;82:14-26. PMID: 23416714.

Yin B, Sheng H, Lin J, et al. The cell death of C6 astrocytoma cells induced by oridonin and its mechanism. *Int J Clin Exp Pathol.* 2012;5(6):562-8. PMID: 22949939.

Li X, Li X, Wang J, et al. Oridonin up-regulates expression of P21 and induces autophagy and apoptosis in human prostate cancer cells. *Int J Biol Sci.* 2012;8(6):901-12. PMID: 22745580.

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