[ **Product Information** ]

**Name:** Oridonin  
**Catalog No.:** CFN99164  
**Cas No.:** 28957-04-2  
**Purity:** > 98%  
**M.F:** C_{20}H_{28}O_{6}  
**M.W:** 364.43  

**Physical Description:** Yellow cryst.  
**Synonyms:** (1S,4AR,5S,6S,14S)-1,5,6,14-Tetrahydroxy-4,4-dimethyl-8-methylene-decahydronaphthalene-7(8H)-one.

[ **Intended Use** ]

1. Reference standards;  
2. Pharmacological research;  
3. Synthetic precursor compounds;  
4. Intermediates & Fine Chemicals;  
5. Others.

[ **Source** ]

The herb of Rabdosia rubescens (Hamst.) C.Y.Wu et Hsuan.

[ **Biological Activity or Inhibitors** ]
Oridonin inhibits the proliferation of cancer cells via apoptosis and cell cycle arrest with p53 playing a central role in several cancer types which express the wild-type p53 gene, it may be a novel, adjunctive therapy for a large variety of malignancies and probably represents one of the major, active components of PC-SPES(an eight herbal mixture that was shown to have activity against prostate cancer).[1]

Oridonin may be a potential antileukemia agent that targets AE oncoprotein at residue D188 with low adverse effect, and may be helpful for the treatment of patients with t(8;21) acute myeloid leukemic (AML).[2]

Oridonin confers protection against arsenic-induced toxicity through activation of the Nrf2-mediated defensive response, and the feasibility of using natural compounds targeting Nrf2 as a therapeutic approach to protect humans from various environmental insults that may occur daily.[3]

Oridonin remarkably suppresses activations of Akt/mTOR, Raf/MEK and STAT5 pathway in these primary specimens and oridonin with imatinib exerts synergetic suppressive effects on mTOR, STAT5 and LYN signaling in one imatinib resistant patient specimen. [4]

[ Solvent ]
Chloroform, Dichloromethane, DMSO, Ethyl Acetate, etc..

[ HPLC Method ][5]
Mobile phase: Methanol : H2O=50:50;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 241 nm.

[ Storage ]
2-8℃, Protected from air and light, refrigerate or freeze.
[References]


[Contact]

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