



LKT Laboratories, Inc.

## Sedanolide

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### Product Information

Product ID S1612

CAS No. 6415-59-4

Chemical Name 3-Butyl-3 $\alpha$ ,4,5,6-tetrahydro-1(3H)-isobenzofuranone

Synonym Neocnidilide

Formula C<sub>12</sub>H<sub>18</sub>O<sub>2</sub>

Formula Wt. 194.13

Melting Point 30-31 °C

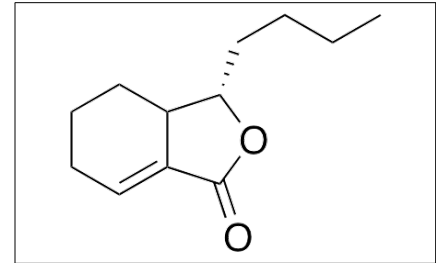
Purity ≥98%

Solubility Soluble in acetonitrile,  
ethanol, and methanol.

Store Temp -20 °C

Ship Temp Ambient

**Description** Sedanolide is a phthalide found in celery seeds that exhibits anti-inflammatory, antifungal, anti-parasitic, and nematocidal activities. Sedanolide inhibits COX-1 and COX-2 as well as topoisomerase I and topoisomerase II in vitro. Sedanolide displays antimicrobial efficacy against *Aedes*, *Caenorhabditis*, *Candida*, *Drosophila*, and *Panagrellus*.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
S1612	100 mg	\$198.00
S1612	500 mg	\$602.00
S1612	1 g	\$1050.10

**References** Tsukamoto T, Ishikawa Y, Miyazawa M. Larvicidal and adulticidal activity of alkylphthalide derivatives from rhizome of *Cnidium officinale* against *Drosophila melanogaster*. *J Agric Food Chem*. 2005 Jul 13;53(14):5549-53. PMID: 15998112.

Jiao XZ, Xie P, Zu LS, et al. Study of stereoselective synthesis of (+/-)-neocnidilide. *J Asian Nat Prod Res*. 2003 Sep;5(3):165-9. PMID: 12931848.

Momin RA, Nair MG. Antioxidant, cyclooxygenase and topoisomerase inhibitory compounds from *Apium graveolens* Linn. seeds. *Phytomedicine*. 2002 May;9(4):312-8. PMID: 12120812.

Momin RA, Nair MG. Mosquitocidal, nematocidal, and antifungal compounds from *Apium graveolens* L. seeds. *J Agric Food Chem*. 2001 Jan;49(1):142-5. PMID: 11305251.

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