



LKT Laboratories, Inc.

## R-(+)-Schisandrin A

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** S0830

**CAS No.** 61281-38-7

**Chemical Name** Dibenzo(a,c)cyclooctene, 5,6,7,8-tetrahydro-1,2,3,10,11,12-hexamethoxy-6,7-dimethyl-, stereoisomer

**Synonym** R(+) Schizandrin A, R(+) deoxyschisandrin A, R(+) deoxyschizandrin

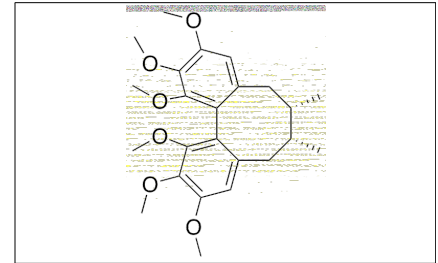
**Formula** C<sub>24</sub>H<sub>32</sub>O<sub>6</sub>

**Formula Wt.** 416.51

**Melting Point** 117-118 °C

**Purity** ≥98%

**Solubility**



**Bulk quantities available upon request**

| Product ID | Size  |
|------------|-------|
| S0830      | 5 mg  |
| S0830      | 10 mg |

**Store Temp** 4 °C

**Ship Temp** Ambient

**Description** Schisandrin A is originally found in *Schisandra*; it exhibits cardioprotective, antioxidative, and antihypertensive activities. In animal models of cardiac ischemia/reperfusion, schisandrin A decreases infarct size, malondialdehyde levels, left ventricular systolic and end diastolic pressures, and arrhythmia and prevents cardiomyocytes apoptosis. This compound also induces relaxation in rat thoracic aortas.

**References** Chang R, Li Y, Yang X, et al. Protective role of deoxyschizandrin and schisantherin A against myocardial ischemia-reperfusion injury in rats. *PLoS One*. 2013 Apr 19;8(4):e61590. PMID: 23620773.

Yang X, Wang Y, Zhang X, et al. Screening vasoconstriction inhibitors from traditional Chinese medicines using a vascular smooth muscle/cell membrane chromatography-offline-liquid chromatography-mass spectrometry. *J Sep Sci*. 2011 Oct;34(19):2586-93. PMID: 21898806.

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