

Product Name:	Dihydrotanshinone I
Product Number:	D078
CAS Number:	87205-99-0
Molecular Formula:	$C_{18}H_{14}O_3$
Molecular Weight:	278.3
Description:	<p>Dihydrotanshinone I is one of many bioactive products isolated from <i>Salvia miltiorrhiza</i>, a well-known traditional Chinese medicinal plant. It's primary promise lies in its anticancer activity, but it has been found to be active against gram-positive bacteria as well.</p> <p>This product is considered a dangerous good. Quantities above 1 g may be subject to additional shipping fees. Please contact us for specific questions.</p>
Mechanism of Action:	Dihydrotanshinone I initiates programmed cell death by activating caspases 3 and 9, which contribute to the degradation of cellular components.
References:	<p>Lee, D., Lee, S., Noh, J., & Hong, S. (1999). Antibacterial Activities of Cryptotanshinone and Dihydrotanshinone I from a Medicinal Herb, <i>Salvia miltiorrhiza</i> Bunge. <i>Bioscience, Biotechnology, and Biochemistry</i>, 63(12), 2236-2239. doi:10.1271/bbb.63.2236</p> <p>Lee, D., & Lee, S. (2000). Biological activity of dihydrotanshinone I: Effect on apoptosis. <i>Journal of Bioscience and Bioengineering</i>, 89(3), 292-293. doi:10.1016/s1389-1723(00)88838-6</p> <p>Wang, L., Hu, T., Shen, J., Zhang, L., Chan, R. L., Lu, L., . . . Wu, W. K. (2015). Dihydrotanshinone I induced apoptosis and autophagy through caspase dependent pathway in colon cancer. <i>Phytomedicine</i>, 22(12), 1079-1087. doi:10.1016/j.phymed.2015.08.009</p>