

Product Name:	Ingenol-3-mebutate
Product Number:	I036
CAS Number:	75567-37-2
Molecular Formula:	$C_{25}H_{34}O_6$
Molecular Weight:	430.53
Storage Conditions:	-20°C
Description:	Ingenol-3-mebutate is an anticancer agent isolated from <i>Euphorbia peplus</i> used in the treatment of Actinic keratosis. Researchers have shown interest in expanding its anticancer activity, finding promise in its ability to promote proapoptotic effects in the cell while inhibiting antiapoptotic ones.
Mechanism of Action:	Ingenol-3-mebutate is a modulator of the protein kinase C family.
References:	<p>Serova, M., Ghoul, A., Benhadji, K. A., Faivre, S., Tourneau, C. L., Cvitkovic, E., . . . Raymond, E. (2008). Effects of protein kinase C modulation by PEP005, a novel ingenol angelate, on mitogen-activated protein kinase and phosphatidylinositol 3-kinase signaling in cancer cells. <i>Molecular Cancer Therapeutics</i>, 7(4), 915-922. doi:10.1158/1535-7163.mct-07-2060</p> <p>Ersvaer, E., Kittang, A. O., Hampson, P., Sand, K., Gjertsen, B. T., Lord, J. M., & Bruserud, Ø. (2010). The Protein Kinase C Agonist PEP005 (Ingenol 3-Angelate) in the Treatment of Human Cancer: A Balance between Efficacy and Toxicity. <i>Toxins</i>, 2(1), 174-194. doi:10.3390/toxins2010174</p>