



Product Information

Product ID W5769

CAS No. 19545-26-7

Chemical Name (1S,6bR,9aS,11R,11bR)-11-(Acetyloxy)-1,6b,7,8,9a,10,-11,11b-octahydro-1-(methoxymethyl)-9a,11b-dimethyl-3H-furo[4,3,2-de]ideno[4,5-h]-2-benzopyran-3,6,9-trione

Synonym Wartmannin, KY 12420, SL-2052

Formula C₂₃H₂₄O₈

Formula Wt. 428.43

Melting Point 240 °C

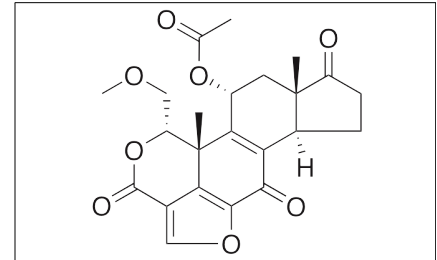
Purity ≥97%

Solubility Soluble in methanol and DMSO.

Store Temp -20 °C

Ship Temp Ambient

Description Wortmannin is a steroid metabolite initially produced by fungi in the *Penicillium* genus. Wortmannin inhibits PI3K, mTOR, DNA-PK, PI4K, MLCK, MAPKs, and polo-like kinases (PLKs). In vivo, wortmannin inhibits activation of Akt and AMPK and decreases translocation of GLUT4, suppressing glucose uptake. Wortmannin also inhibits insulin-induced skeletal myoblast differentiation.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
W5769	1 mg	\$63.90
W5769	5 mg	\$275.60

References Zhou X, Zhao Y, Xu L, et al. Wortmannin and U0126 inhibit the promoting effect of insulin on differentiation of skeletal myoblasts in rats. *Xi Bao Yu Fen Zi Mian Yi Xue Za Zhi*. 2014 Jul;30(7):717-20. PMID: 25001936.

Ji L, Zhang X, Liu W, et al. AMPK-regulated and Akt-dependent enhancement of glucose uptake is essential in ischemic preconditioning-alleviated reperfusion injury. *PLoS One*. 2013 Jul 26;8(7):e69910. PMID: 23922853.

Zaika O, Lara LS, Gamper N, et al. Angiotensin II regulates neuronal excitability via phosphatidylinositol 4,5-bisphosphate-dependent modulation of Kv7 (M-type) K⁺ channels. *J Physiol*. 2006 Aug 15;575(Pt 1):49-67. PMID: 16777936.

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