

# Antimony potassium tartrate trihydrate

## PRODUCT DATA SHEET

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<b>Product Name:</b>	Antimony potassium tartrate trihydrate
<b>Product Number:</b>	A100
<b>CAS Number:</b>	28300-74-5
<b>Molecular Formula:</b>	$K_2Sb_2(C_4H_2O_6)_2 \cdot 3 H_2O$
<b>Molecular Weight:</b>	667.87
<b>Storage Conditions:</b>	$\leq 30^\circ C$
<b>Description:</b>	<p>Antimony potassium tartrate trihydrate (emetic tarter, potassium antimonyl tartrate, or potassium antimontartrate) is a unique compound used as an emetic and for the treatment of the parasitic infections, schistosomiasis and leishmaniasis. Recently, antimony potassium tartrate trihydrate has been found to have antiangiogenic and antitumor properties in nonsmall-cell lung cancer (NSCLC) cells.</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>
<b>Mechanism of Action:</b>	<p>The mode of action of antimony potassium tartrate is not well understood. It is thought that antimony anti-parasitic activity arises from a process of apoptosis involving externalization of phosphatidylserine and DNA fragmentation.</p>
<b>References:</b>	<p>Sereno, D., M. Cavaleyra, K. Zemzoumi, S. Maquaire, A. Ouaisi, and J. L. Lemesre. "Axenically Grown Amastigotes of Leishmania Infantum Used as an In Vitro Model To Investigate the Pentavalent Antimony Mode of Action." <i>Antimicrobial Agents and Chemotherapy</i> 42.12 (1998): 3097-102.</p> <p>Wang, B., W. Yu, J. Guo, X. Jiang, W. Lu, M. Liu, and X. Pang. "The Antiparasitic Drug, Potassium Antimony Tartrate, Inhibits Tumor Angiogenesis and Tumor Growth in Nonsmall-Cell Lung Cancer." <i>Journal of Pharmacology and Experimental Therapeutics</i> 352.1 (2014): 129-38.</p>