

Product Name:	Niclosamide anhydrous
Product Number:	N048
CAS Number:	50-65-7
Molecular Formula:	$C_{13}H_8Cl_2N_2O_4$
Molecular Weight:	327.12
Description:	<p>Niclosamide is commonly known as an antihelminthic drug used in the treatment of tapeworms. It has also been used as a molluscicide in water treatment, and more recently there are several reports of niclosamide showing anticancer activity. TOKU-E Company offers two forms of niclosamide: Niclosamide anhydrous (N048) and <u>niclosamide monohydrate (N051)</u>.</p> <p>Niclosamide anhydrous is practically insoluble in water. It is sparingly soluble in ethanol, chloroform and ether.</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:	Like other salicylanilides, niclosamide translocates hydrogen into the inner membrane of the mitochondria, uncoupling the oxidative phosphorylation from the electron transport and inhibiting the creation of ATP.
References:	<p>Pan, J.-X., Ding, K., & Wang, C.-Y. (2012). Niclosamide, an old antihelminthic agent, demonstrates antitumor activity by blocking multiple signaling pathways of cancer stem cells. Chinese Journal of Cancer, 31(4), 178–184. http://doi.org/10.5732/cjc.011.10290</p>