

Product Name:	Metformin hydrochloride
Product Number:	M087
CAS Number:	1115-70-4
Molecular Formula:	$C_4H_{11}N_5 \cdot HCl$
Molecular Weight:	165.62
Description:	<p>Metformin is a common first line antidiabetic drug, and the only FDA approved member of the biguanide drug class. More recently it has drawn attention from the cancer research sector. Several clinical trials for the use of metformin in the treatment of cancer have been performed.</p> <p>Metformin hydrochloride is freely soluble in water, and slightly soluble in alcohol.</p>
Mechanism of Action:	Researchers have not yet decided on the precise anti-cancer mechanism of action for Metformin.
References:	<p>Kourelis, T. V., & Siegel, R. D. (2011). Metformin and cancer: New applications for an old drug. Medical Oncology, 29(2), 1314–1327. doi:10.1007/s12032-011-9846-7</p> <p>Pawlyk AC, Giacomini KM, McKeon C, Shuldiner AR, Florez JC. Metformin Pharmacogenomics: Current Status and Future Directions. Diabetes. 2014;63(8):2590-2599. doi:10.2337/db13-1367.</p>