

Product Name:	Carbadox
Product Number:	C148
CAS Number:	6804-07-5
Molecular Formula:	$C_{11}H_{10}N_4O_4$
Molecular Weight:	262.22
Storage Conditions:	2-8°C
Description:	<p>Carbadox is a broad spectrum antibiotic commonly used as a in-feed additive for swine production to improve feed efficiency and to prevent dysentery and swine enteritis. Carbadox has been shown to induce phage encoded Shiga toxin production in Shiga toxin producing <i>Escherichia coli</i> or STEC.</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>
Spectrum:	Carbadox has a broad spectrum of activity.
References:	<p>Bearson, Bradley L., Heather K. Allen, Brian W. Brunelle, In Soo Lee, Sherwood R. Casjens, and Thaddeus B. Stanton. "The Agricultural Antibiotic Carbadox Induces Phage-mediated Gene Transfer in Salmonella." <i>Front. Microbiol. Frontiers in Microbiology</i> 5 (2014)</p> <p>Looft, Torey, Heather K. Allen, Thomas A. Casey, David P. Alt, and Thaddeus B. Stanton. "Carbadox Has Both Temporary and Lasting Effects on the Swine Gut Microbiota." <i>Front. Microbiol. Frontiers in Microbiology</i> 5 (2014)</p>