

Product Name:	Tubermycin B
Product Number:	T103
CAS Number:	2538-68-3
Molecular Formula:	$C_{13}H_8N_2O_2$
Molecular Weight:	224.2
Appearance:	Yellow solid
Storage Conditions:	-20°C
Description:	<p>Tubermycin B (1-phenazinecarboxylic acid) is a simple phenazine produced by several species of <i>Pseudomonas</i> and <i>Actinomycetes</i>. Tubermycin B is a weakly active antibacterial compound that plays a role in the biocontrol of plant diseases by several <i>Pseudomonas</i> strains. Tubermycin B and related phenazines are important dereplication standards in discovery research to eliminate leads due to high amounts of weakly potent actives.</p> <p>Tubermycin B is soluble in ethanol, methanol, DMF and DMSO.</p>
References:	<p>Antibiotic substances produced by <i>Pseudomonas aeruginosa</i>. Hays E.E. et al. J. Biol. Chem. 1945, 159, 725.</p> <p>Biosynthesis and regulation of phenazine compounds in <i>Pseudomonas</i> spp. Mavrodi D.V. et al. in <i>Pseudomonas</i>, model organism, pathogen, cell factory. (B.H.A. Verlag GmbH & Co. Germany) 2009, 331.</p>