

Product Name:	Pentostatin
Product Number:	P076
CAS Number:	53910-25-1
Molecular Formula:	$C_{11}H_{16}N_4O_4$
Molecular Weight:	268.3
Storage Conditions:	-20°C
Description:	<p>Pentostatin is a potent antitumor antibiotic isolated from a Streptomyces species. Pentostatin is a potent inhibitor of adenine deaminase and has been used therapeutically as an antitumor agent.</p> <p>Pentostatin is soluble in ethanol, methanol, DMF or DMSO. Good water solubility.</p>
Mechanism of Action:	<p>Pentostatin is a potent inhibitor of adenine deaminase (ADA) and has been used therapeutically as an antitumor agent.</p>
References:	<p>A novel adenosine and ara-A deaminase inhibitor, (R)-3-(2-deoxy-b-D-erythro-pentofuranosyl)-3,6,7,8-tetrahydroimidazo[4,5-d][1,3]diazepin-8-ol. Woo P. W. K. et al. J. Het. Chem. 1974, 11, 641.</p> <p>Pentostatin: future directions. Klohs W. D. & Kraker A. J. Pharmacol Rev 1992, 44, 459.</p>