

Product Name:	p-Chlorophenoxyacetic Acid
Product Number:	C116
CAS Number:	122-88-3
Molecular Formula:	$C_8H_7ClO_3$
Molecular Weight:	186.59
Solubility:	Soluble in ethanol and KOH and most organic solvents. Very slightly soluble in water.
Source:	semi-synthetic
Description:	p-Chlorophenoxyacetic acid (4-CPA) is a synthetic plant growth regulator used to mimic the physiological effects of auxin, thus influencing root and fruit growth. It can also be used as a herbicide at high dosage. p-Chlorophenoxyacetic acid is soluble in ethanol and KOH and most organic solvents. It is very slightly soluble in water, and degradation in aqueous medium has been reported
References:	<p>Sidahmed OA and Kliwer WM (1980). Effects of defoliation, gibberellic acid and 4-Chlorophenoxyacetic acid on growth and composition of Thompson seedless grape berries. Am. J. Enol. and Viticult. 31(2):149-153</p> <p>Moran O, Traverso S, Elia L and Pusch M (2003) Molecular modeling of p-chlorophenoxyacetic acid binding to the CLC-0 channel. Biochem. 42(18):5176-5185</p>