

Solubility and Storage Chart of Plant Growth Regulators

Name	Product Code	Solubility	Diluent	Molecular Weight	Working Conc. (mg/l)	Storage Temperature	Stock Solution Storage	Sterilization
Abscisic Acid	PCT0815	Acetone, ether, 1N NaOH	W	264.3	0.1 - 10.0	2-8°C	-0°C	CA/F
Adenine sulphate	PCT0801	0.5M HCl, Water	W	184.2	50 - 250	RT	2-8°C	CA
Ancymidol	PCT0837	DMSO	W	256.3	1.0 - 10.0	2-8°C	-0°C	CA/F
6-BAP	PCT0802	EtOH, Glacial acetic acid, 1N NaOH	W	225.3	0.1 - 5.0	2-8°C	2-8°C	CA/F
Chlorme quat chloride	PCT0824	Water	W	158.1	Upto 500	RT	2-8°C	CA
2, 4-D	PCT0825	95% EtOH, 1N NaOH	W	221	0.01 - 6.0	RT	2-8°C	CA
Daminozide (Alar)	PCT0838	Water, MeOH, acetone, polar organic solvents	W	160.17	0.1 - 10.0	2-8°C	2-8°C	CA/F
Dicamba	PCT0834	Water	W	221.04	0.01 - 10.0	2-8°C	2-8°C	F
Dikegulac	PCT0832	Water, DMSO, EtOH	W	274.27	0.05 - 10.0	2-8°C	-0°C	F
Gibberellic acid	PCT0830	MeOH, EtOH, acetone	W	346.4	0.01 - 5.0	RT	2-8°C	CA/F
Glyphosate	PCT0835	Water	W	169.07	0.01 - 5.0	RT	2-8°C	F
Zip	PCT0807	DMSO, 1N NaOH	W	203.2	1.0 - 30.0	2-8°C	-0°C	CA/F
IAA	PCT0803	Water, EtOH, Acetone, Diethyl ether, chloroform, 1N NaOH	W	175.2	0.01 - 3.0	2-8°C	2-8°C	CA/F
IBA	PCT0804	EtOH, Ether, 1N NaOH	W	203.2	0.1 - 10.0	2-8°C	2-8°C	CA/F
IPA	PCT0831	EtOH, water, 1N NaOH	W	189.2	0.1 - 10.0	RT	-0°C	CA/F
Jasmonic Acid	PCT0805	Water, DMSO, PBS, EtOH	W	210.3	0.01 - 10.0	2-8°C	-0°C	F
Kinetin	PCT0806	HCl, 1N NaOH	W	215.2	0.1 - 5.0	0°C	-0°C	CA/F
Maleic hydrazide	PCT0818	Water, 1N NaOH	W	112.1	0.01 - 10.0	RT	2-8°C	F
meta-Topolin	PCT0827	KOH	W	241.5	0.01 - 5.0	RT	2-8°C	F