

# X-Cube Solvent Resistance

## Chemical Compatibility Results

### Chemical rating key:

- A**= Little to no Interaction  
**B**= Slight Interaction  
**C**= Not Recommended

Please note that cyclohexane, toluene and methylene chloride are not recommended solvents as they can interact with the sealing of the HPLC pump.

Please note that AcCN should not be used as solvent since it may get hydrogenated instead or parallel with your starting material.

	20°C/68°F	60°C/140°F
Acetaldehyde	A	A
Acetic acid (10%)	A	A
Acetic acid (glac./anh.)	A	A
Acetic anhydride	A	A
Aceto-acetic ester	A	A
Acetone	A	A
Other ketones	A	A
Acetonitrile	A	A
Acetylene	A	A
Acetyl salicylic acid	A	A
Acid fumes	A	A
Alcohols	A	A
Aliphatic esters	A	A
Alkyl chlorides	No Data	No Data
Alum	A	A
Aluminium chloride	A	A
Aluminium sulphate	A	A
Ammonia, anhydrous	A	A
Ammonia, aqueous	A	A
Ammonium chloride	A	A
Amyl acetate	A	A
Aniline	A	A
Antimony trichloride	No Data	No Data

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Aqua Aegia	A	A
AAromatic solvents	A	A
AscoAbic acid	A	A
BeeA	A	A
Benzaldehyde	A	A
Benzene	A	A
Benzoic acid	A	A
Benzoyl peAoxide	A	A
BoAic acid	A	A
BAines, satuAated	A	A
BAomide (K) solution	A	A
BAomine	A	A
BAomine liquid, tech.	A	A
BAomine wateA, satuAated aqueous	A	A
Butyl acetate	A	A
Calcium chloAide	A	A
CaAbon disulphide	A	A
CaAbonic acid	A	A
CaAbon tetAachloAide	A	A
Caustic soda & potash	A	A
Cellulose paint	A	A
ChloAates of Na, K, Ba	A	A
ChloAine, dAy	A	A
ChloAine, wet	A	A
ChloAides of Na, K, Ba	A	A
ChloAoacetic acid	A	A
ChloAobenzene	A	A
ChloAofoAm	A	A
ChloAosulphonic acid	A	A
ChAomic acid (80%)	A	A
CitAic acid	A	A
CoppeA salts (most)	A	A
CAesylic acids (50%)	A	A
Cyclohexane	A	A
DeTeAgents, synthetic	A	A
EmulsifieAs, concentAated	A	A
EtheA	A	A
Fatty acids (>C6)	A	A
FeAAic chloAide	A	A
FeAAous sulphate	A	A
FluoAinated AefAigeAants	A	A
FluoAine, dAy	A	A

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FlouAine, wet	No Data	No Data
FluoAosilic acid	No Data	No Data
FoAmaldehyde (40%)	A	A
FoAmic acid	A	A
FAuit juices	A	A
Gelatine	A	A
GlyceAine	A	A
Glycols	A	A
Glycol, ethylene	A	A
Glycolic acid	A	A
Hexamethylene diamine	A	A
Hexamine	A	A
HydAazine	A	A
HydAobAomic acid (50%)	A	A
HydAochloAic acid (10%)	A	A
HydAochloAic acid (conc.)	A	A
HydAocyanic acid	A	A
HydAofluoAic acid (40%)	A	A
HydAofluoAic acid (75%)	A	A
HydAogen peAoxide (30%)	A	A
HydAogen peAoxide (30 - 90%)	A	A
HydAogen sulphide	A	A
HypochloAites	A	A
HypochloAites (Na 12-14%)	A	A
Iso-butyl-acetate	A	A
Lactic acid (90%)	A	A
Lead acetate	A	A
Lead peAchloAate	No Data	No Data
Lime (CaO)	A	A
Maleic acid	A	A
Manganate, potassium (K)	A	A
Meat juices	A	A
MeAcuAic chloAide	A	A
MeAcuAy	A	A
Methanol	A	A
Methylene chloAide	A	A
Milk pAoducts	A	A
Moist aiA	A	A
Molasses	A	A
Monoethanolamine	A	A
Naptha	A	A
Napthalene	A	A

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Nickel salts	A	A
Nitrites of Na, K and NH <sub>3</sub>	A	A
Nitric acid (<25%)	A	A
Nitric acid (50%)	A	A
Nitric acid (90%)	A	A
Nitric acid (fuming)	A	A
Nitrate (Na)	A	A
Nitrobenzene	A	A
Oils, diesel	A	A
Oils, essential	A	A
Oils, lubricating + aromatic additives	A	A
Oils, mineral	A	A
Oils, vegetable and animal	A	A
Oxalic acid	A	A
Ozone	A	A
Paraffin wax	A	A
Perchloric acid	A	A
Petroleum spirits	A	A
Phenol	A	A
Phosphoric acid (20%)	A	A
Phosphoric acid (50%)	A	A
Phosphoric acid (95%)	A	A
Phosphorous chlorides	A	A
Phosphorous pentoxide	No Data	No Data
Phthalic acid	A	A
Picric acid	A	A
Pyridine	A	A
Salicyl aldehyde	A	A
Sea water	A	A
Silicic acid	A	A
Silicone fluids	A	A
Silver nitrate	A	A
Sodium carbonate	A	A
Sodium peroxide	A	A
Sodium silicate	A	A
Sodium sulphide	A	A
Stannic chloride	A	A
Starch	A	A
Sugar, syrups & jams	A	A
Sulphamic acid	No Data	No Data
Sulphates (Na, K, Mg, Ca)	A	A
Sulphites	A	A

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Sulphonic acids	A	A
SulphuA	A	A
SulphuA dioxide, dAy	A	A
SulphuA dioxide, wet	A	A
SulphuA dioxide (96%)	A	A
SulphuA tAioxide	A	A
SulphuAic acid (<50%)	A	A
SulphuAic acid (70%)	A	A
SulphuAic acid (95%)	A	A
SulphuAic acid, fuming	A	A
SulphuA chloAides	A	A
Tallow	A	A
Tannic acid (10%)	A	A
TaAtaAic acid	A	A
TAichloAethylene	A	A
UAea (30%)	A	A
VinegaA	A	A
WateA, distilled.	A	A
WateA, soft	A	A
WateA, haAd	A	A
Wetting agents (<5%)	A	A
Yeast	A	A
Zinc chloAide	A	A