Supplemental File

Affinity membrane adsorbers for binding arginine-rich proteins

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Table S.1. provides information on the dissolution of diethyl-4-aminobenzyl phosphonate
(D4ABP) in various solvents.

Table S.1 Tested concentrations and observations for D4ABP in various organic solvents

Solvent	D4ABP (g)	Solvent (mL)	g/mL	M	Observations
Methanol, anhydrous, 99%	0.122	5.0	0.024	0.10	dissolved easily, tan and clear (not hazy)
	0.397	5.0	0.079	0.33	dissolved easily, darker, weak coffee color
	0.713	5.0	0.14	0.59	dissolved easily, light sweet tea color

2-Propanol, Lab Grade	0.123	5.0	0.025	0.10	had to swirl about 30 times to dissolve fully, light tan, hazy
	0.447	5.0	0.089	0.37	had to swirl about 30 times to dissolve fully, medium tan, very cloudy
Water: Acetone (15:1, v:v)	0.111	5.0	0.022	0.091	had to swirl about 15 times to dissolve fully, light tan and clear (not hazy)
	0.315	5.0	0.063	0.26	had to swirl about 15 times to dissolve fully, darker, still light tan
	0.615	5.0	0.12	0.51	swirled about 15 times, almost all dissolved; crystals at the bottom eventually dissolved, weak coffee color
DCM	0.101	5.4	0.019	0.076	dissolved immediately, light tan, transparent, very faint cloudiness
	0.290	5.4	0.053	0.22	not fully dissolved; medium tan color, starting to be more cloudy
	0.290	13.1	0.022	0.091	not fully dissolved, slightly hazy, light tan color