Does leucine actually catalyze the ATP-PP exchange
in AS-1 ? 1/16

Since possible that the L-leucine (Nut. Biochemicals) contains some L-methionine tested preps of DL-leucine which are very probably synthetic.

Solution of DL-leucine by
a) Eastman Kodak
b) Nutritional

	1	2	3	4
M/2 Tris pH 8.0 ✓	0.1 →			
M/10 $MgCl_2$ ✓	0.02 →			
ATP .094 ✓	0.01 →			
PP^{32} .025 ✓	0.05 →			
L-leucine M/20	-	.02		
DL leucine (EK) M/20	-		.02	
DL leucine (Nut) M/20	-			.02
H_2O ✓	.30			
AS-1 1→10	.02 →			

Stopped : 0.25 ml 7% PCA
Added .05 ml Norite
Washed as usual and suspended final pellet in .1 ml of Extract soln.

cpm/0.5 ml.	90	898	108	125
Total	270	2700	324	375
Δ	-	2430	54	105

Clear that exchange catalyzed by the L-leucine is not due leucine per se but probably to methionine which contaminates the L-leucine but not present in the DL (Synthetic ?) leucine.