

## Product Data Sheet

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**Cat#:** AP-307-U  
**Cat#:** AP-307-B, Biotin labeled  
**Cat#:** AP-307-F, FITC labeled

**Product Description:** Concanavalin A Lectin

**Aptamer Type:** Peptide

**Sequence:** DVFYPYPYASGS; 12-mer

**Size** 5 mg

**Mol. Wt:** 1501.65 g/mole

**Purity:** >95%

**Affinity:** 46  $\mu$ M (reported value)

**Comments:** n/a

**Notes:** A dodecapeptide containing the consensus sequence Tyr-Pro-Tyr was found to bind Con A with an affinity (dissociation constant,  $K_d$ ) of 46 microM, comparable to that of a known carbohydrate ligand, methyl alpha-D-mannopyranoside ( $K_d$  of 89 microM). In addition the peptide inhibited precipitation of the alpha-glucan dextran 1355 by Con A.

**References:** Oldenburg et al. " Peptide ligands for a sugar-binding protein isolated from a random peptide library." PNAS, 89(1992):5393-5397.

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