



### *Storage of compounds*

Many of the available synthetic compounds were hydrophobic in character and, consequently, were poorly soluble in water even at concentrations below 0.5 mM. Accordingly, the compounds were stored at -20 °C in dimethyl sulfoxide (DMSO) at concentrations up to 100 mM in glass vials, closed with DMSO-resistant lids and seals. The compounds were transferred from diluted, pre-plated solutions (0.5 mM concentrations) in plates covered with DMSO-resistant foil and stored frozen. A final compound concentration of 10  $\mu$ M to 1mM was used in order to minimize solvent effects from DMSO. All proteins tested could tolerate 2% (v/v) DMSO.

This paragraph was written as a supplement to the following article in PNAS:

**Chemical screening methods to identify ligands that promote protein stability, protein crystallization and structure determination**

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