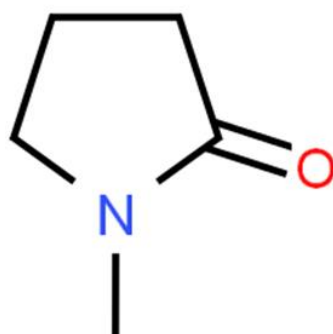


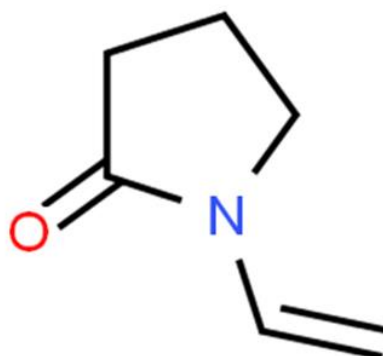
•Molecular Formula  $C_5H_9NO$   
 •Average mass 99.131 Da

**N-methylpyrrolidone (NMP)**



•Molecular Formula  $C_6H_9NO$   
 •Average mass 111.142 Da

**1-Vinyl-2-pyrrolidone (NVP)**



**Figure S1:** chemical structures of NMP and NVP

Gene	Species	Company	Catalog Nr.
ALP	Mouse	QIAGEN	QT00157717
Runx2	Mouse	QIAGEN	QT00102193
TRAP	Mouse	QIAGEN	QT00131012
NFATc1	Mouse	QIAGEN	QT00167692
GAPDH	Mouse	QIAGEN	QT01658692
Rsp18	Mouse	QIAGEN	QT02448075

**Table S1:** Primers used in qRT-PCR experiments.

Antibody	Company	Catalog Nr.
GAPDH	Cell Signaling Technology	#5174
pSmad 1/5/9	Cell Signaling Technology	#13820
Anti-rabbit IgG HRP-linked	Cell Signaling Technology	#7074
NFATc1	Santa Cruz Biotechnology	Sc-7294
c-Fos	Santa Cruz Biotechnology	Sc-398595

**Table S2:** Antibodies used in Western blot and immunofluorescence experiments