Supporting Information.

Migration Assay

Fibroblast migration into 3-dimensional collagen gels was ascertained as previously described.\(^1\) For this purpose, type I collagen was extracted overnight from rat tail tendons in 3% acetic acid, dialysed for 2 days against distilled water, diluted to 2mg/ml and used to make 2ml collagen gels in 35mm plastic tissue culture dishes. Collagen gels were overlaid with 1ml of either serum-free MEM tissue culture medium (SF-MEM) or SF-MEM containing 4x the final concentration of the effector molecule to be tested (e.g. rhMSF or IGD-containing synthetic peptide). Confluent stock cultures of human foreskin fibroblasts were then trypsinised, pelleted by centrifugation, resuspended in MEM containing 20% donor calf serum at 2x10^5 cells/ml and 1ml aliquots of this inoculum pipetted onto the previously overlaid collagen gels. Considering the 2ml volume of the collagen gel, the 1ml medium overlay and the 1ml cell inoculum, this procedure gives the correct final concentration of test molecule in the presence of 5% serum. The cultures were incubated for 4 days and the percentage of fibroblasts present within the collagen gel matrix at that time ascertained by microscopic observation of 15-20 randomly selected fields, as previously described.\(^2\)

All animal studies were approved by the University of Dundee ethical committee and performed under UK Home Office project license regulations.
Spectral Data for IGD mimetic 1

