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Inhibition of Src homology 2 domain containing protein tyrosine phosphatase as the possible mechanism of metformin-assisted amelioration of obesity induced insulin resistance in high fat diet fed C57BL/6J mice

Yadhu Sharma, Samina Bashir, Ansarullah, Mohemmed Faraz Khan, Altaf Ahmad, Farah Khan

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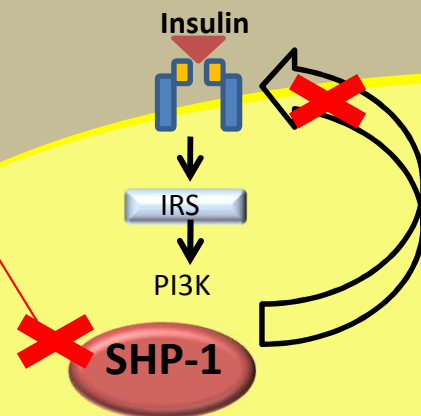
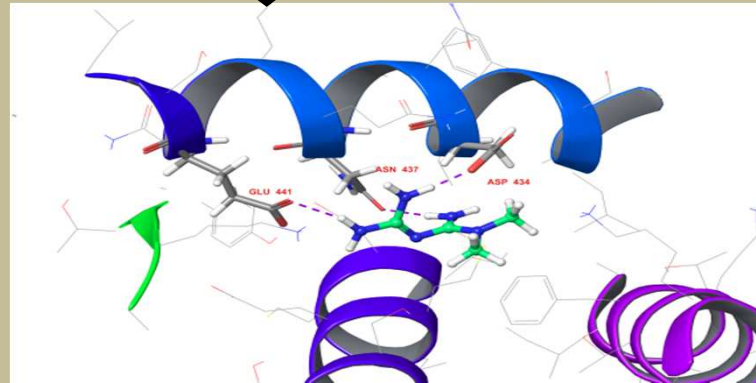
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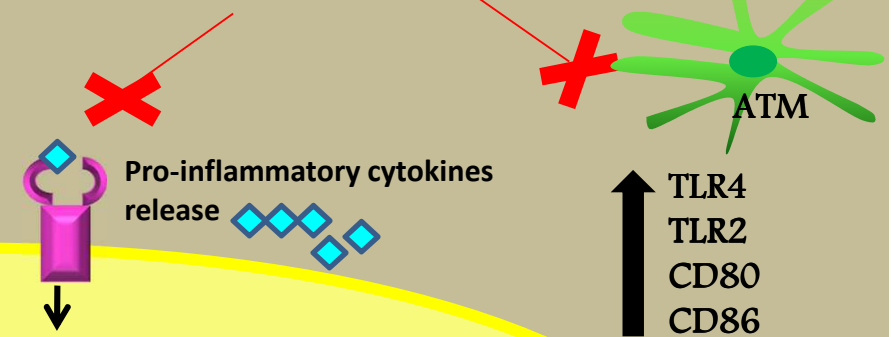
SHP-1 inhibition by Metformin

DIRECT MECHANISM



INDIRECT MECHANISM

Suppression of inflammation

JNK
NF- κ B

Inflammatory gene expression

INSULIN SENSITIVITY

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