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Phospho-sulindac is efficacious in an improved concanavalin A-based rabbit model of chronic dry eye disease

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Running head: Phospho-sulindac for the treatment of dry eye

List of abbreviations:

PS phosphosulindac, **DED** dry eye disease, **Con A** concanavalin A, **TBUT** tear break up time, **NF-κB** nuclear factor kappa-light-chain-enhancer of activated B cells, **TGF-β** transforming growth factor beta, **IL-1β** interleukin 1 beta, **IL-6** interleukin 6, **IL-8** interleukin 8, **MMP** matrix metalloproteinase, **PGE₂** prostaglandin E₂, **NSAIDs** nonsteroidal anti-inflammatory drugs, **MAPKs** mitogen activated protein kinases, **PEG-PLA** polyethylene glycol-block-poly-lactic acid, **IU** international units, **ml** milliliter, **NZW** New Zealand White, **RPM** revolutions per minute, **RIPA** radio immunoprecipitation assay, **SDS** sodium dodecyl sulphate, **EMSA** electrophoretic mobility shift assay, **ILG** inferior lacrimal gland, **PSLG** palpebral portion of superior lacrimal gland, **OSLG** orbital portion of superior lacrimal gland, **SLG** superior lacrimal gland, **US** ultrasonography, **BSA** bovine serum albumin, **ELISA** enzyme-linked immunosorbent assay, **H&E** hematoxylin and eosin, **SEM** standard error of the mean, **SD** standard deviation, **PBS** phosphate buffered saline, **TOsm** tear osmolarity, **STT** Schirmer's tear test, **JNK** c-Jun N-terminal kinases, **ERK** extracellular signal regulated kinases, **IC₅₀** half maximal inhibitory concentration,

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