TEM1657 is a new small molecule for the topical and oral treatment of psoriasis



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Temisis is a therapeutic company focusing on the development of small-molecule assets for the treatment of unmet needs in dermatology. Its main asset, TEM1657, shows similar efficacy as market reference corticosteroids to remove psoriasis symptoms at pre-clinical stage, but with no observed side-effects

Rapid efficacy Symptoms are significantly reduced after the first application of TEM1657 at 0.2%

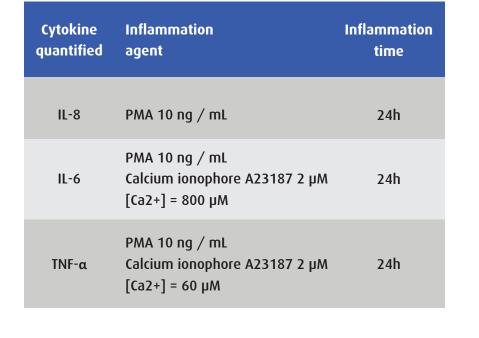
Complete remission of psoriasis symptoms No erythema - Regulated desquamation - Normal skin thickness

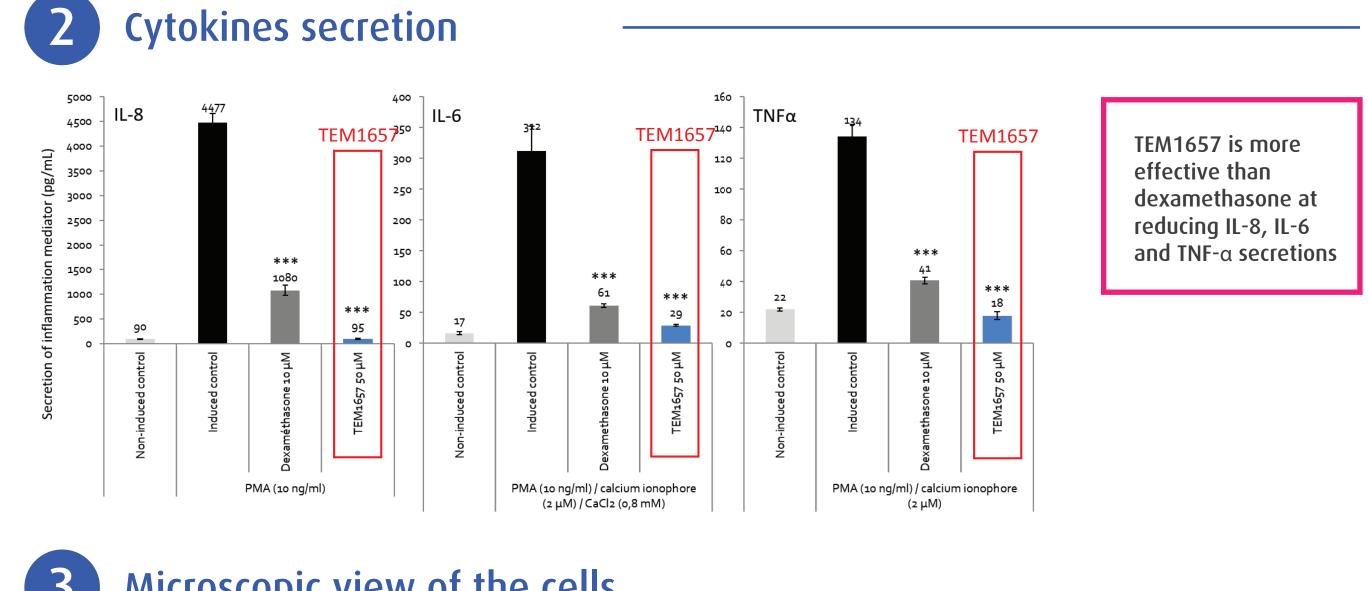
No side effect No skin thinning (unlike corticosteroids), no observed side effect on animals in toxicity tests

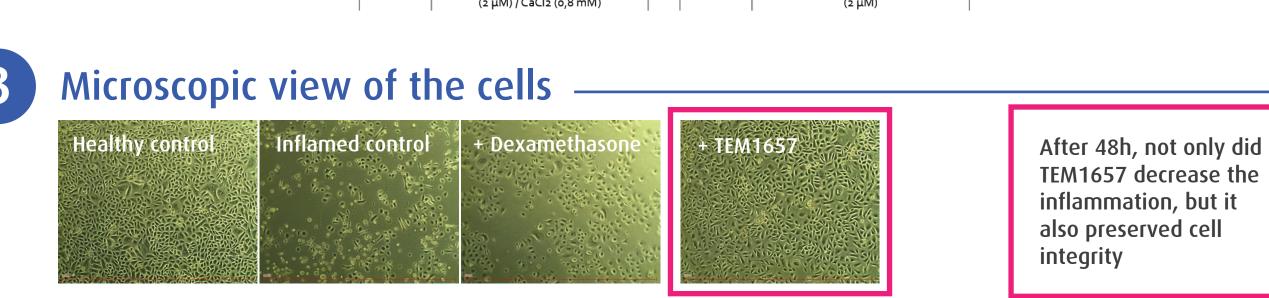
In vitro efficacy profile

TEM1657 greatly reduces cytokines secretion in PMA-inflamed skin cells

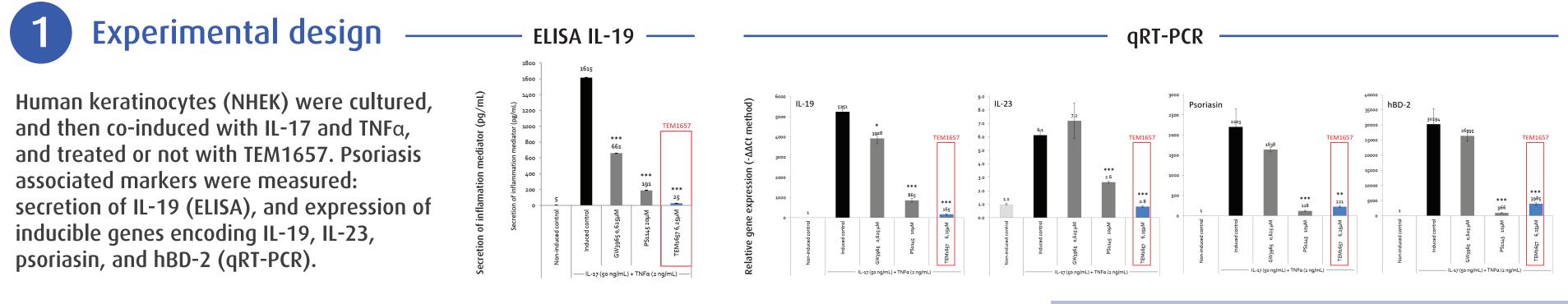
Experimental design Human keratinocytes (NHEK) were cultured, placed in contact with TEM1657, and 2h later, inflamed in different conditions (see table below) for the measurement of cytokines.



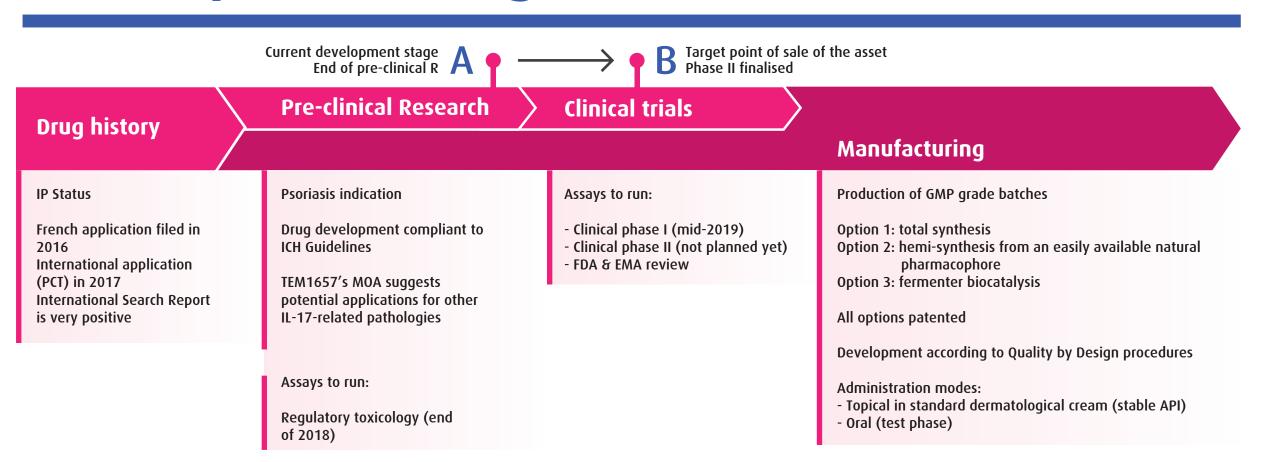


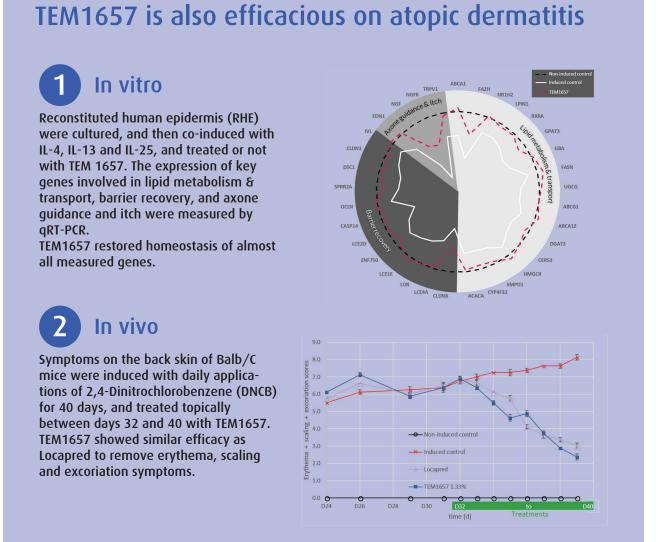


TEM1657 reduces inflammation in IL-17-induced keratinocytes



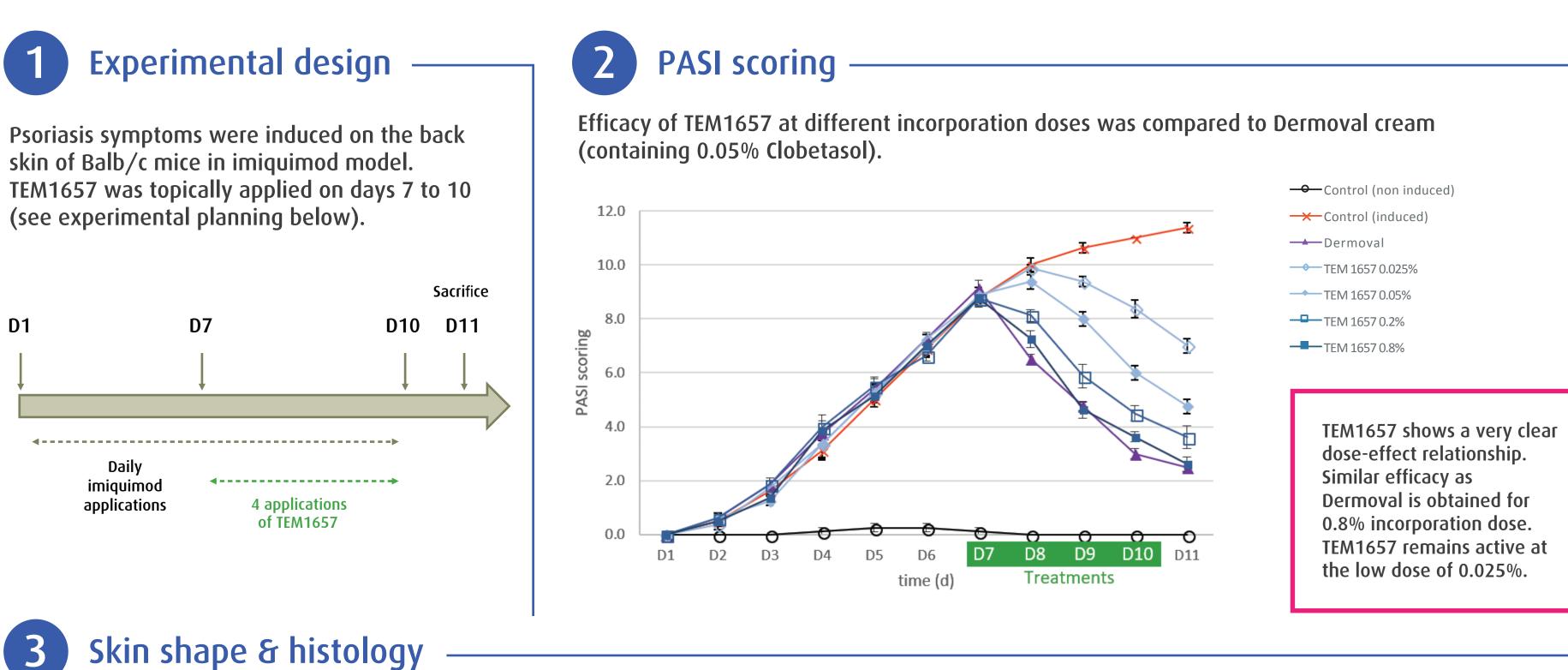
Development stage

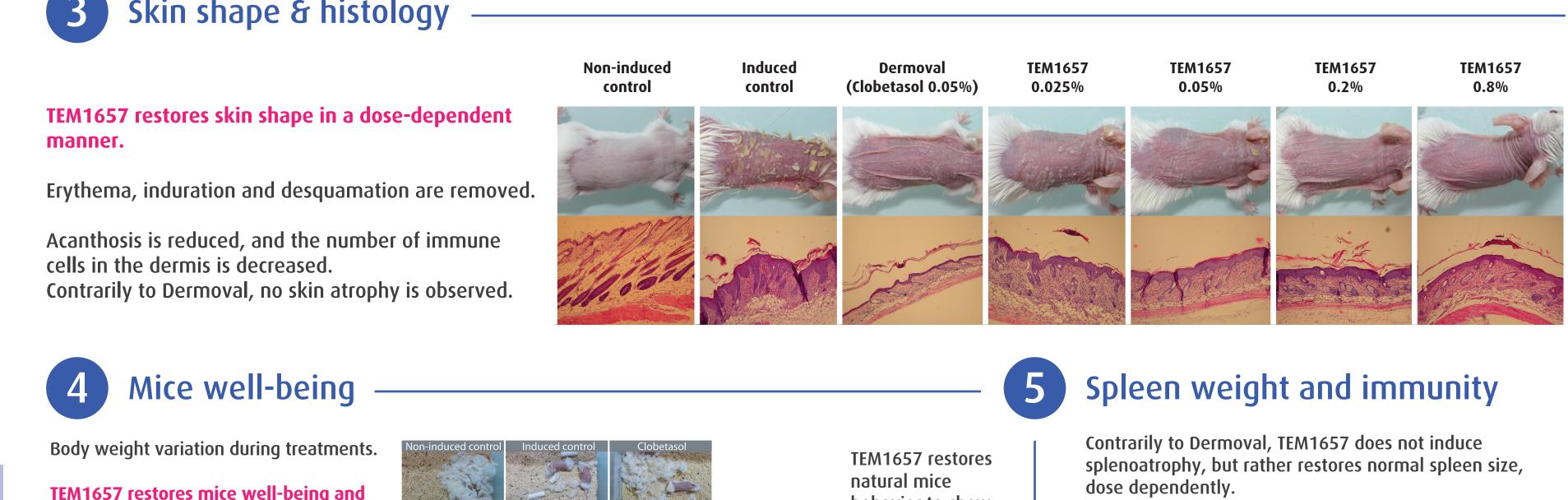


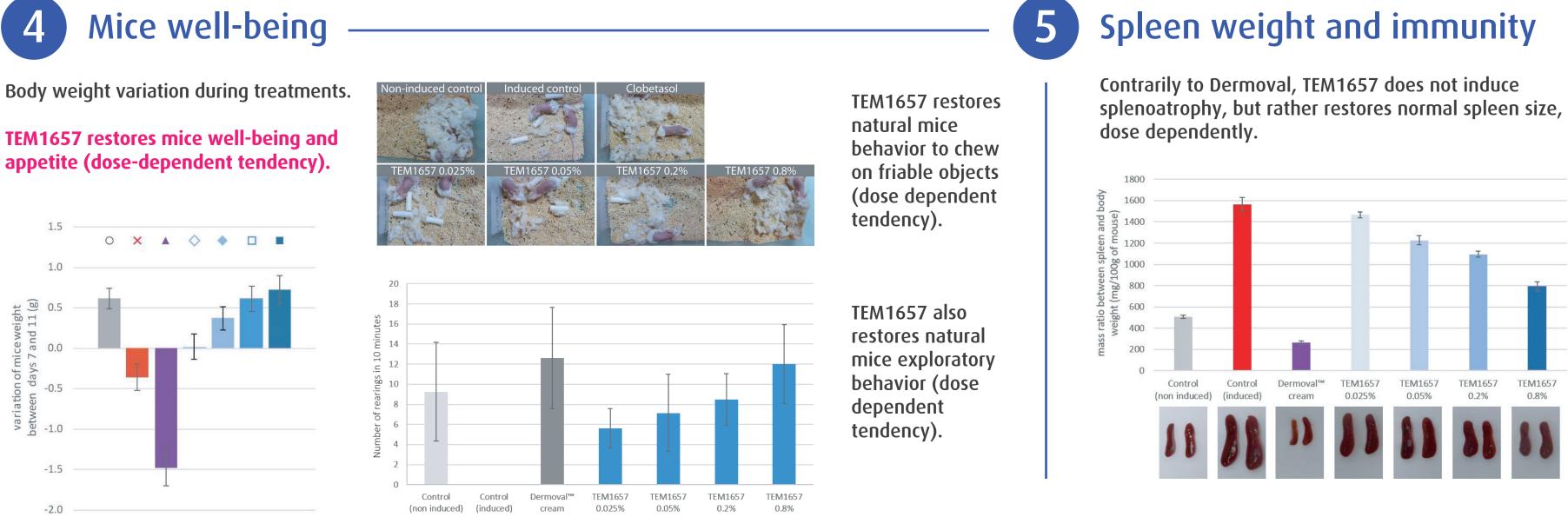


In vivo efficacy profile

Topical applications of TEM1657 cure psoriasis in Balb/c mice







Acknoledgements Aline Chrétien stratiel Jean-François Bisson ETPP Carsten Börger PharmBioTeg