

- A new scale was developed to quantitatively and objectively assess the six most common local skin responses (LSRs) resulting from topical actinic keratosis (AK) therapy.
- The LSR grading scale uses a 0-4 numerical rating, with clinical descriptors and representative photographic images for each rating.
- The use of the scale was assessed in four phase III clinical studies of ingenol mebutate.
- The scale provided the ability to rate each LSR category (erythema, flaking/scaling, crusting, swelling, vesiculation/pustulation, and erosion/ulceration) and generate a composite objective LSR score.
- The new scale provides dermatologists with a useful tool to compare the tolerability of current and future therapeutic modalities for AK in clinical trials and, potentially, real-world practice settings.

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