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(71) Applicant: **REGENERON PHARMACEUTICALS, INC.** [US/US]; 777 Old Saw Mill River Road, Tarrytown, New York 10591 (US).

(72) Inventor: **HAN, Amy**; c/o Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, Tarrytown, New York 10591 (US).

(74) Agent: **KHANKIN, Alina** et al.; Troutman Pepper Hamilton Sanders LLP, 875 Third Avenue, New York, New York 10022 (US).

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(54) Title: CAMPTOTHECIN ANALOGS CONJUGATED TO A GLUTAMINE RESIDUE IN A PROTEIN, AND THEIR USE

(57) Abstract: Described herein are protein-drug conjugates and compositions thereof that are useful, for example, for target-specific delivery of therapeutic moieties, e.g., camptothecin analogs and/or derivatives. In certain embodiments, provided are specific and efficient methods for producing protein-drug constructs (e.g., antibody-drug conjugates) utilizing a combination of transglutaminase and 1,3-cycloaddition techniques. Camptothecin analogs, antibody-drug conjugates, and compositions which comprise glutaminyl-modified antibodies and camptothecin analog payloads and are provided.

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