



CTP-543: CTP-543 is an oral selective inhibitor of certain Janus kinases, known as JAK1 and JAK2, that we are developing for the treatment of alopecia areata, an autoimmune disease that results in partial or complete loss of hair on the scalp and/or body. CTP-543 was discovered by applying our deuterium chemistry technology to modify ruxolitinib, which is commercially available under the name Jakafi® in the U.S. for the treatment of myelofibrosis and polycythemia vera. Ruxolitinib has been used in an academic [investigator-sponsored clinical trial](#) and has been shown to promote hair growth in individuals with alopecia areata. We conducted preclinical studies demonstrating that CTP-543 retains ruxolitinib's JAK1 and JAK2 inhibition profile and showing improved metabolic stability relative to ruxolitinib. A Phase 2a clinical trial evaluating CTP-543 for the treatment of moderate-to-severe alopecia areata is underway.