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# CCR4 Inhibitor FLX475

National Cancer Institute

## Source

National Cancer Institute. *CCR4 Inhibitor FLX475*. NCI Thesaurus. Code C157240.

An orally available, small molecule antagonist of C-C chemokine receptor type 4 (CCR4) with potential immunomodulatory and antineoplastic activities. Upon oral administration, FLX475 inhibits the binding of CCR4 to its signaling molecules, thereby blocking the recruitment of regulatory T-cells (Tregs) to the tumor microenvironment (TME). This may abrogate the immunosuppressive effects of Tregs and promote an effective anti-tumor immune response. CCR4, a chemokine receptor normally expressed on circulating and tissue-resident T-cells, is highly expressed on circulating Tregs and is associated with poor prognosis in certain cancers.