

TARGETED THERAPY

Targeted therapies treat the cancer cells with less harm to normal cells. These drugs often can control CLL, so people do not need to start chemotherapy right away. Not all people get all side effects. Be sure to tell your health care team about the side effects you have.

TYPE OF IMMUNOTHERAPY	GENERIC (AND BRAND) NAMES	COMMON SIDE EFFECTS
<p>BTK INHIBITOR <i>Taken as a pill</i></p>	<ul style="list-style-type: none"> • ibrutinib (Imbruvica®) <i>Used for CLL patients with and without 17p deletion.</i> 	<ul style="list-style-type: none"> • Diarrhea • Low blood counts • Fatigue • Pain in muscles and joints • Swelling • Upper respiratory tract infection • Nausea • Bruising <p>Rare but serious side effects may include:</p> <ul style="list-style-type: none"> • Irregular heart beat • Serious infections • Bleeding and high blood pressure
<p>PI3K INHIBITORS <i>Taken as a pill</i></p>	<ul style="list-style-type: none"> • idelalisib (Zydelig®) <i>Used for CLL patients whose cancer has returned.</i> • duvelisib (Copiktra®) <i>Used for CLL patients whose cancer has returned after or has not responded to two other therapies.</i> 	<ul style="list-style-type: none"> • Low blood counts • Fever • Diarrhea • Rash • Fatigue • Cough • Nausea • Respiratory infection and pneumonia • Muscle and joint pain <p>Rare but serious side effects may include:</p> <ul style="list-style-type: none"> • Liver problems • Severe diarrhea (colitis) • Lung problems (pneumonitis) • Severe infections • Severe skin reactions
<p>BCL-2 INHIBITOR <i>Taken as a pill</i></p>	<ul style="list-style-type: none"> • venetoclax (Venclexta®) <i>Used for CLL patients as a first treatment in combination with immunotherapy or when cancer has returned after treatment.</i> 	<ul style="list-style-type: none"> • Low blood cell counts • Diarrhea • Nausea <p>Rare but serious side effects may include:</p> <ul style="list-style-type: none"> • Tumor lysis syndrome (which can cause kidney failure)