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Drug Research in Inhibiting BCL6 in Ovarian Cancer

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Abstract

Ovarian cancer has a survival rate of 50 percent just five years after being diagnosed (Nguyen et al. 2020). Finding new ways to treat ovarian cancer is important to increase the survival of patients who have been diagnosed. BCL6 is a transcription factor that is involved with metastasis and promoting chemotherapy resistant cancer cells. Finding a way to inhibit BCL6 could help prevent the things listed above and lead to a new treatment for patients with ovarian cancer. Researching genes that BCL6 regulates may offer new insights into treatments that can be researched to see if they are effective in inhibiting BCL6, which was the focus of my research. Using bioinformatics and cell culturing I researched drugs that had the possibility of inhibiting BCL6 and tested their effectiveness against ovarian cancer cell lines.