Oxaliplatin is a platinum-based cross-linking agent that exhibits anticancer chemotherapeutic activity. Oxaliplatin inhibits DNA replication and transcription and is clinically used to treat colon cancer. In hepatocellular carcinoma cells, oxaliplatin induces S phase cell cycle arrest, downregulates expression of CDK4 and cyclin D1, upregulates expression of p21 and p53, and inhibits cellular proliferation.

### References