Busulfan is an alkyl sulfonate that exhibits anticancer chemotherapeutic activity. Busulfan is an alkylating agent that attaches an alkyl group to the N7 position of guanine bases, inhibiting DNA replication; it is clinically used to treat chronic myelogenous leukemia (CML). In vitro, busulfan inhibits growth of promyelocytic leukemia cells. This compound may also induce senescence in normal cells through activation of ERK and p38 MAPK signaling.

References


Caution: This product is intended for laboratory and research use only. It is not for human or drug use.