Inhibitors, Agonists, Screening Libraries

Data Sheet

Product Name: Busulfan
Cat. No.: HY-80245
CAS No.: 55-98-1
Molecular Formula: C_{6}H_{14}O_{6}S_{2}
Molecular Weight: 246.30
Target: DNA Alkylator/Crosslinker
Pathway: Cell Cycle/DNA Damage
Solubility: 10 mM in DMSO

BIOLOGICAL ACTIVITY:
Busulfan is a bifunctional alkylating agent.
Target: DNA alkylator
Busulfan, a cytotoxic alkylating agent used for treatment of chronic myeloid leukemia has effects in mammalian germ cells [1]. Busulfan is bifunctional and thus may effectively induce DNA damage, which may play an important role in the cytotoxicity. Busulfan induced DNA damage dose-dependently. busulfan caused double-base lesions mainly at 5'–GA–3' and, to a lesser extent, at 5'–GG–3' sequences [2].

References:

Caution: Product has not been fully validated for medical applications. For research use only.

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