

Thio-TEPA

Catalog No: **tcsc3119**



Available Sizes

Size: 100mg



Specifications

CAS No:

52-24-4

Formula:

$C_6H_{12}N_3PS$

Pathway:

Cell Cycle/DNA Damage

Target:

DNA Alkylator/Crosslinker

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 50 mg/mL (264.24 mM); H₂O :

Observed Molecular Weight:

189.22

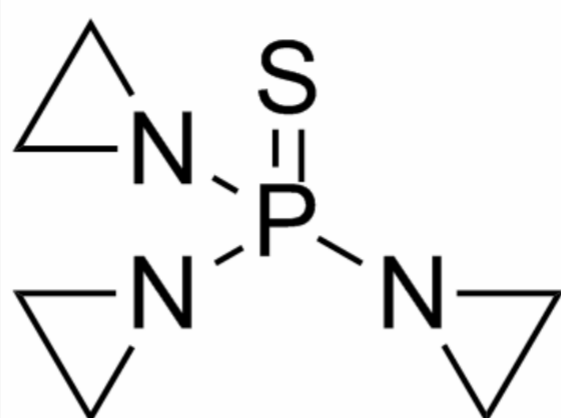
Product Description

Thio-TEPA is a **DNA alkylating** agent, with antitumor activity.

IC₅₀ & Target: DNA Alkylator^[1]

In Vitro: Thio-TEPA exhibits alkylating activity in rat liver slice incubation. Thio-TEPA does not affect the viability of rat liver slices, and is not accumulated in the slices at all doses of 2, 5, 10 mM^[1].

In Vivo: Thio-TEPA (20 mg/kg, i.p.) with total body irradiation (TBI) enhances donor-type blood chimerism during the first 10 weeks but is not dramatically higher than that of TBI group alone. Thio-TEPA alone improves both short- and long-term engraftment in mice [2]



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!