

Melphalan

Catalog No: tcsc3120



Available Sizes

Size: 50mg

Size: 100mg

Size: 500mg



Specifications

CAS No:

148-82-3

Formula:

$C_{13}H_{18}Cl_2N_2O_2$

Pathway:

Cell Cycle/DNA Damage

Target:

DNA Alkylator/Crosslinker

Purity / Grade:

>98%

Solubility:

DMSO : 6 mg/mL (19.66 mM; Need ultrasonic); H₂O : 4 mg/mL (13.11 mM; ultrasonic and adjust pH to 2 with HCl)

Alternative Names:

L-PAM

Observed Molecular Weight:

305.2

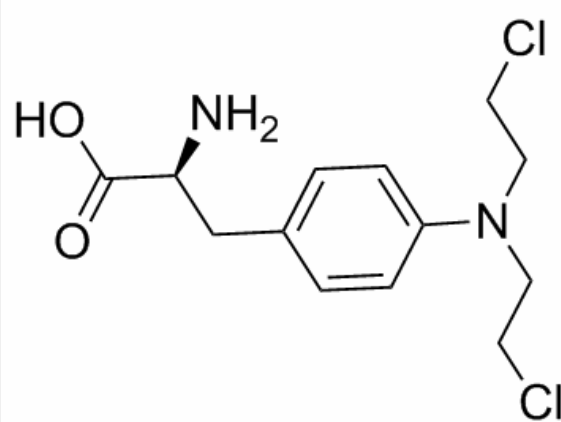
Product Description

Melphalan is an effective **DNA alkylating** agent, with antitumor activity.

IC50 & Target: DNA Alkylator/Crosslinker^[1]

In Vitro: Melphalan is a DNA alkylating agent, used for multiple myeloma^[1]. Melphalan-DNA adducts can be visualised in both cultured cells and solid tumour tissue^[3].

In Vivo: Melphalan (12 mg/kg, i.p.) increases pharmacological activity with heat in SD rats^[2].



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