

Carmustine

Catalog No: tcsc2935



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

154-93-8

Formula:

$C_5H_9Cl_2N_3O_2$

Pathway:

Cell Cycle/DNA Damage

Target:

DNA Alkylator/Crosslinker

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 35 mg/mL (163.51 mM)

Observed Molecular Weight:

214.05

Product Description

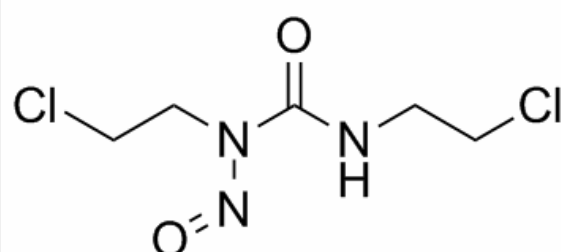
Carmustine is an antitumor chemotherapeutic agent, which works by **alkylating DNA and RNA**.

IC50 & Target: DNA Alkylator^[1]

In Vitro: Carmustine is an antitumor chemotherapeutic agent. Carmustine (8, 80, and 800 μ M) decreases N-acetyltransferase (NAT) activities for 2-aminofluorene (AF) and p-aminobenzoic acid (PABA) in rat glial tumor cytosol and intact cells. In rat glial tumor cells,

the DNA-AF adduct increases, and carmustine decreases the formation of DNA-AF adduct^[1].

In Vivo: Carmustine (BCNU; 25 mg/kg, i.p.) causes higher levels of the rhe ratio of liver weight to body weight and plasma conjugated bilirubin, and lower biliary flow, oxidised glutation levels (GSSG) and reduced glutation (GSH)/GSSG values compared with control rats^[2].



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