Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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 **akylating DNA and RNA**.

IC50 & Target: DNA Alkylator[1]

In Vitro: Carmustine is an antitumor chemotherapeutic agent. Carmustine (8, 80, and 800 μM) 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,

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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].