



Product Information

Product ID C0173
CAS No. 154-93-8
Chemical Name N,N'-Bis(2-chloroethyl)-N-nitrosourea

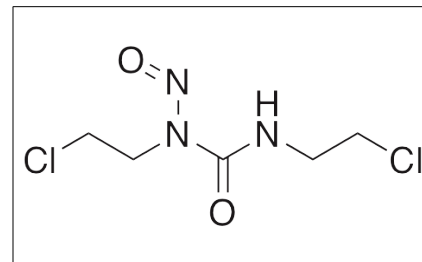
Synonym Becenun, Bicnu, Carmubris

Formula C₅H₉Cl₂N₃O₂
Formula Wt. 214.05
Melting Point 30-32 °C
Purity ≥98%
Solubility Soluble in water (4 mg/mL),
50% ethanol (150 mg/mL),
DMSO.

Store Temp 4 °C

Ship Temp Ambient

Description Carmustine is a nitrosourea alkylator that is clinically used to treat brain cancers, multiple myeloma, and lymphomas. Carmustine exhibits anticancer chemotherapeutic and anticoagulant activities. Carmustine is often co-administered with MGMT inhibitors to increase its chemotherapeutic efficacy. In vitro and in vivo, carmustine also induces apoptosis in platelets, increasing bleeding time.



Bulk quantities available upon request

Product ID	Size
C0173	25 mg
C0173	100 mg

References Zhang J, Chen M, Zhang Y, et al. Carmustine induces platelet apoptosis. Platelets. 2014 Jun 23:1-6. [Epub ahead of print]. PMID: 24955606.

Drablos F, Feyzi E, Aas PA, et al. Alkylation damage in DNA and RNA--repair mechanisms and medical significance. DNA Repair (Amst). 2004 Nov 2;3(11):1389-407. PMID: 15380096.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.