Carmustine (BCNU), DNA alkylating agent ab141911

1 References

Overview

Product name Carmustine (BCNU), DNA alkylating agent
Description DNA alkylating agent
Biological description DNA alkylating agent. Forms interstrand crosslinks in DNA preventing DNA replication and transcription. Inhibitor of glutathione reductase, lipoamide dehydrogenase and trypanothione reductase. Active in vivo.
Purity > 99%
CAS Number 154-93-8
Chemical structure

Properties

Chemical name 1,3-Bis(2-chloroethyl)-1-nitrosourea
Molecular weight 214.05
Molecular formula C5H9Cl2N3O2
PubChem identifier 2578
Storage instructions Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview Soluble in water to 25 mM, in ethanol to 100 mM and in DMSO to 100 mM
Handling
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.
Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES C(CCl)NC(=O)N(CCCl)N=O
Source Synthetic
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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