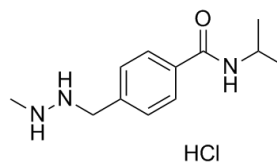


Product Name : Procarbazine hydrochloride
Synonyms : Indicarb; Matulane; Natulan; NSC 77213
Cat No. : M14259
CAS Number : 366-70-1
Molecular Formula : C₁₂H₁₉N₃O·HCl
Formula Weight : 257.76
Chemical Name : —



Description : Procarbazine hydrochloride (Matulane) is a hydrochloride salt form of procarbazine which is a polyfunctional alkylating compound used as an antineoplastic agent. Procarbazine is a cytostatic agent, meaning it strands cells midway through cell division, but it does not actively kill them. Procarbazine interferes with cells at a number of sites to prevent DNA and protein synthesis and mitosis. Procarbazine hydrochloride (Matulane) is used in the treatment of Hodgkin's lymphoma and other malignant lymphomas including: - lymphosarcoma- reticulosarcoma- Brill-Symmers disease. Because procarbazine hydrochloride (Matulane) works differently to other anticancer agents, Procarbazine hydrochloride (Matulane) may be useful in the treatment of Ys that have not responded to other treatments.

Pathway : Cell Cycle/DNA Damage
Target : DNA/RNA Synthesis
Receptor : DNA/RNA Synthesis
Solubility : Ethanol: 52 mg/mL (201.73 mM); Water: 52 mg/mL (201.73 mM)
SMILES : Cl.CNNCC1=CC=C(C=C1)C(=O)NC(C)C
Storage : (-20°C)
Stability : ≥ 2 years
Reference :

1.Ogawa K, et al. Mutat Res. 2003 Aug 5;539(1-2):145-55.