

Procarbazine (Hydrochloride)

Catalog No: tcsc2392



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:

366-70-1

Formula:

$C_{12}H_{20}ClN_3O$

Pathway:

Cell Cycle/DNA Damage

Target:

DNA Alkylator/Crosslinker

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 42 mg/mL (162.94 mM)

Observed Molecular Weight:

257.76

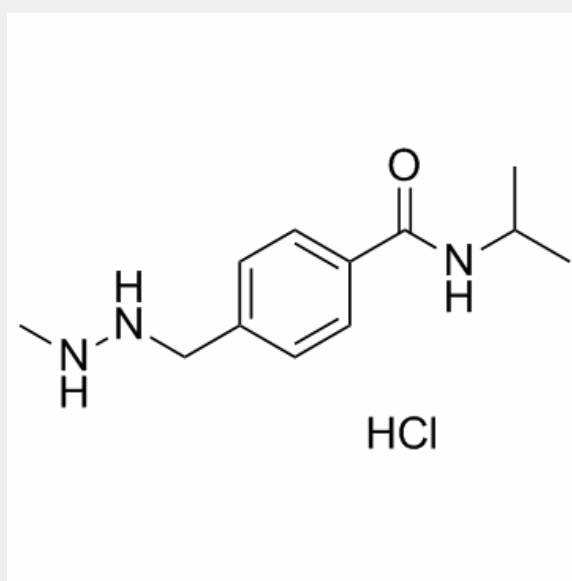
Product Description

Procarbazine Hydrochloride is an **alkylating** agent, with anticancer activity.

In Vitro: Procarbazine Hydrochloride is an anticancer agent. Procarbazine is not cytotoxic to the LI 210 cells which lack cytochrome P-450 or monoamine oxidase activity^[1].

In Vivo: Procarbazine Hydrochloride (50 mg/kg, i.p.) causes micronuclei in hematopoietic cells, but does not increase the lacZ

mutant frequency (MF) in bone marrow of mice, similar to that in liver, testis, spleen, kidney, and lung. Procarbazine Hydrochloride (50 mg/kg, i.p.) has positive effect on lung, bone marrow, and spleen for carcinogenesis^[2]. Procarbazine (450 mg/kg) significantly decreases testicular and epididymal weight and drastically reduces haploid cells and spermatogenic arrest in hamster^[3].



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