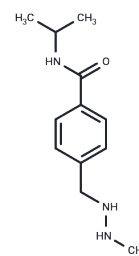


Procarbazine free base

Chemical Properties

CAS No. :	671-16-9
Formula:	C ₁₂ H ₁₉ N ₃ O
Molecular Weight:	221.3
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Procarbazine is an antineoplastic chemotherapy drug for the treatment of Hodgkin's lymphoma and certain brain cancers. The drug is metabolized and activated in the liver. It also inhibits MAO thus increasing the effects of sympathomimetics, TCAs, and tyramine.
Targets(IC50)	Others,DNA Alkylator/Crosslinker

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5188 mL	22.5938 mL	45.1875 mL
5 mM	0.9038 mL	4.5188 mL	9.0375 mL
10 mM	0.4519 mL	2.2594 mL	4.5188 mL
50 mM	0.0904 mL	0.4519 mL	0.9038 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Revollo J, Bhalli JA, Tebbe C, Noteboom J, Thomas D, McKinzie P, Felton N, Pearce MG, Dobrovolsky VN. Spectrum of P-gp mutations in T lymphocytes of rats treated with procarbazine. *Mutagenesis*. 2017 Dec 8. doi: 10.1093/mutage/gex032. [Epub ahead of print] PubMed PMID: 29237063.
- Schiff D. Low-grade Gliomas. *Continuum (Minneap Minn)*. 2017 Dec;23(6, Neuro-oncology):1564-1579. doi: 10.1212/CON.0000000000000537. PubMed PMID: 29200111.
- Nayak L, Reardon DA. High-grade Gliomas. *Continuum (Minneap Minn)*. 2017 Dec;23(6, Neuro-oncology):1548-1563. doi: 10.1212/CON.0000000000000554. PubMed PMID: 29200110.
- Kobe C, Dietlein M, Hellwig D. PET/CT for Lymphoma Post-therapy Response Assessment in Hodgkin Lymphoma and Diffuse Large B-cell Lymphoma. *Semin Nucl Med*. 2018 Jan;48(1):28-36. doi: 10.1053/j.semnuclmed.2017.09.003. Epub 2017 Sep 19. Review. PubMed PMID: 29195615.

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