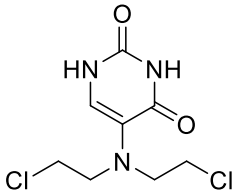


Product data sheet



MedKoo Cat#: 100900 Name: Uramustine CAS#: 66-75-1 Chemical Formula: C ₈ H ₁₁ Cl ₂ N ₃ O ₂ Exact Mass: 251.02283 Molecular Weight: 252.09784	
Product supplied as: Powder	
Purity (by HPLC): ≥ 98%	
Shipping conditions: Ambient temperature	
Storage conditions: Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

Uramustine (INN), also known as uracil mustard, is a chemotherapy drug which belongs to the class of alkylating agents. It is used in lymphatic malignancies such as non-Hodgkin's lymphoma. It works by damaging DNA, primarily in cancer cells that preferentially take up the uracil due to their need to make nucleic acids during their rapid cycles of cell division. The DNA damage leads to apoptosis of the affected cells. Bone marrow suppression and nausea are the main side effects. Chemically it is a derivative of nitrogen mustard and uracil.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
N/A	N/A	N/A

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.97 mL	19.83 mL	39.67 mL
5 mM	0.79 mL	3.97 mL	7.93 mL
10 mM	0.40 mL	1.98 mL	3.97 mL
50 mM	0.08 mL	0.40 mL	0.79 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of "Calculator"

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

N/A

In vivo study

N/A

7. Bioactivity

Biological target:

N/A

In vitro activity

N/A

In vivo activity

N/A

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Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.