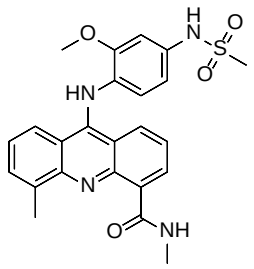
Product data sheet

MedKoo Cat#: 330780 Name: Asulacrine free base CAS: 80841-47-0 (free base) Chemical Formula: $C_{24}H_{24}N_4O_4S$ Exact Mass: 464.1518 Molecular Weight: 464.54	
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:
Asulacrine, also known as CI-921; NSC-343499; SN-21407, is a topoisomerase ll inhibitor with antineoplastic properties. Asulacrine inhibits the enzyme topoisomerase ll, thereby blocking DNA replication and RNA and protein synthesis.

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
TBD	TBD	TBD

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.15 mL	10.76 mL	21.53 mL
5 mM	0.43 mL	2.15 mL	4.31 mL
10 mM	0.22 mL	1.08 mL	2.15 mL
50 mM	0.04 mL	0.22 mL	0.43 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
TBD

In vivo study
TBD

7. Bioactivity
Biological target:
Asulacrine is a topoisomerase ll inhibitor.

In vitro activity
TBD

In vivo activity
TBD

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.