

Technical Data Sheet

Mitoxantrone

Compound Information

Product Name:	Mitoxantrone
CAS No.:	65271-80-9
Molecular Formula:	C ₂₂ H ₂₈ N ₄ O ₆
Molecular Weight:	444.48
Storage:	Store at < -20 °C
Revision Date:	2026-04-15

Analytical Information

Tests	Specifications
Description	Mitoxantrone is a type II topoisomerase inhibitor with IC ₅₀ of 2.0 μM, 0.42 mM for HepG2 and MCF-7/wt cells, respectively
Form	Solid
Color	Dark Blue to Black
Melting Point	170-174°C
Assay by titration	≥ 96%
Purity by HPLC	≥ 97%
Solubility	DMSO and Water
Atmosphere	Air
1H NMR	Pass test

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