

SPECIFICATION

Lumefantrine

Parameters	Specification
CAS Number	82186-77-4
Appearance	White to off-white crystalline powder
Molecular Formula	C ₃₀ H ₃₂ Cl ₃ NO
Molecular Weight	537.02 g/mol
Boiling Point	500 °C
Melting Point	161 °C
Flash Point	250 °C
Purity	98–99%
Refractive Index	1.58
Solubility	Very poorly soluble in water; soluble in acetone, chloroform, and methanol.
Uses	Antimalarial agent; used in combination therapy with artesunate (Coartem).



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