



Specification

Lumefantrine

Catalog Number: LU1001
CAS Number: 82186-77-4
Synonym(s): (9Z)-2,7-Dichloro-9-[(4-chlorophenyl)methylene]- α -
[[dibutylamino)methyl]-9H-fluorene-4-methanol, Benflumetol, CPG-
56695
Molecular Formula: $C_{30}H_{32}Cl_3NO$
Molecular Weight: 528.94
Storage: 15°C – 30°C
Retest Period: Two years from the date of manufacture

Test	Specification
Appearance	Yellow crystalline powder
Assay	$\geq 98\%$
Identification	To pass test
Melting Point	125°C – 131°C
Solubility	Freely soluble in chloroform, slightly soluble in ethanol, insoluble in water
Moisture (LOD)	$\leq 0.2\%$
Residue on Ignition	$\leq 0.2\%$
Related Impurities	$\leq 4\%$
Heavy Metals	$\leq 20\text{ppm}$
Particle Size	$\geq 200\text{mesh}$

Approved:

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