

TECHNICAL DATA SHEET

AVOBENZONE

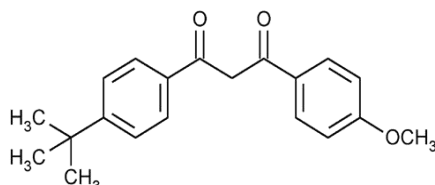
Product Name: Avobenzone

Product Code: Mfsorb 502

Origin: China

Properties

Structure:



Chemical Name: 1-(4-Methoxyphenyl)-3-(4-tert-butylphenyl) propan-1,3-dione

INCI Name: BUTYL METHOXYDIBENZOYLMETHANE

EINECS No.: CAS 274-581-6

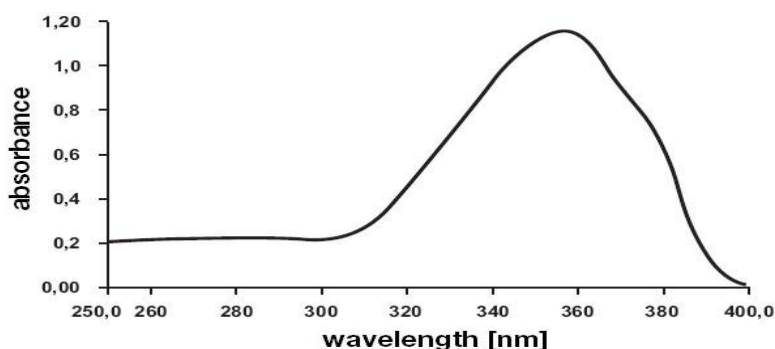
No.: Chemical 70356-09-1

Formula: Molecular C₂₀H₂₂O₃

Weight: 310.40

UV Characteristics

UV Characteristics:



Physical Property

Appearance: White or pale yellow crystalline powder.

Identification: (USP) A. Infrared Absorption <197K>

B. Ultraviolet Absorption <197U>

Absorptivities at 360nm do not differ by more than 3.0%.

Assay (GC): (USP) 97.0%~104.0%

Loss on Drying: (USP) 0.5% max

Melting Point: 81°C~86°C

Specific Extinction: 1100.0 ~ 1180.0

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(E1%, 1cm at 357nm)

Chromatographic Purity (GC)

Total Impurities: (USP) 4.5% max

Individual Impurity: (USP) 3.0% max

Residual Solvents: Methanol: 3000ppm max

Application Sunscreens, Personal Care products, Sun care, Baby Sun care, Daily Skin care, Decorative cosmetic with sun protection, Broad spectrum UV-A filter.

Packaging 25kgs/drum, 25kgs/carton

Storage Preserve in tight, light-resistant containers. The shelf life of Avobenzone is three years in original, unopened containers.

HS Code 2914509090

NOTE The data submitted in this publication are based on our current knowledge and experience. They do not constitute a guarantee in the legal sense of the term and, in view of the manifold factors that may affect processing and application, do not relieve those to whom we supply our products from the responsibility of carrying out their own tests and experiments. Any relevant patent rights and existing legislation and regulations must be observed.