

# AakoSun AVB

## Avobenzone

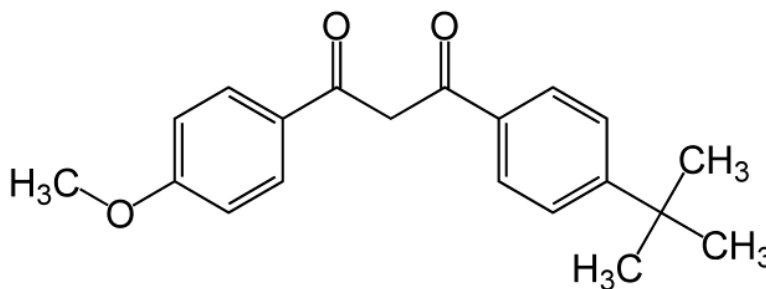
### Description

AakoSun AVB is an oil-soluble UV A and UV B filter that is approved in many countries worldwide for use in sun care formulations. Because of its hydrophobic nature and its solubility in oil, it is particularly suitable to use in water-repellent and water-resistant formulations.

AakoSun AVB can be combined with other oil-soluble UV filters such as AakoSun OCR, AakoSun BEMT or AakoSun OTZ to provide photostabile broad spectrum UV A and UV B protection.

See our guide formulations for inspiration.

▪ Chemical name	1-[4-(1,1-Dimethylethyl)phenyl]-3-(4-methoxyphenyl)propane-1,3-dione
▪ INCI/USAN name	Butyl Methoxydibenzoylmethane / Avobenzone
▪ CAS number	70356-09-1
▪ Formula	C <sub>20</sub> H <sub>22</sub> O <sub>3</sub> MW 310,4 g/mol
▪ UV A & B absorber	Oil Soluble powder



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### Typical properties

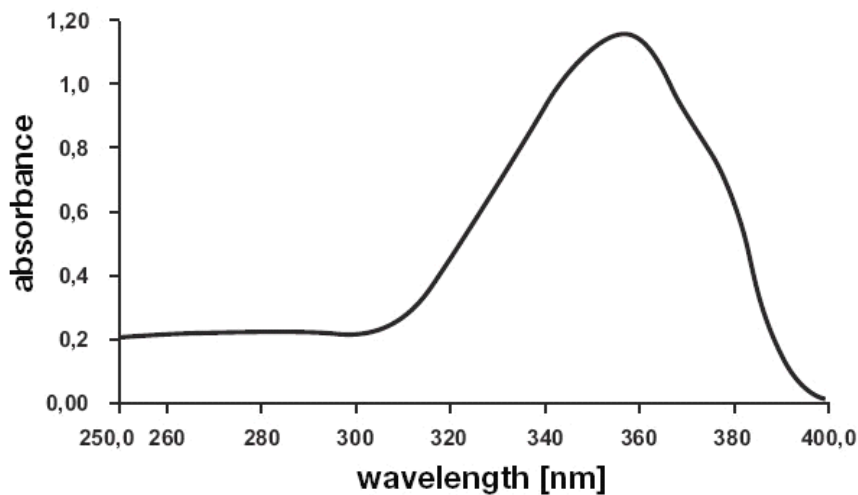
Appearance:	White or pale yellow crystalline powder
Specific Extinction ( $E_{357\text{ nm}}$ 1%, 1cm in Methanol)	$\geq 1100$
Assay:	95.0 – 105%
Loss on drying:	0.5% max
Melting Point:	81-86°C

### Regulatory Status:

EU 5% Max.  
Regulation (EC) No 1223/2009 Annex VI entry 8

### Storage:

Must be stored in closed containers in dry cool conditions. Minimum shelf life of 3 years under appropriate conditions of storage.



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