

## Product Information

### Oxybenzone, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM1392

**Size:** 1 g; 2 g; 5 g; 10 g

**MDL:** MFCD00008387

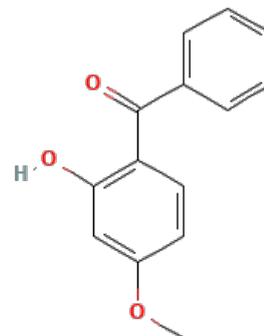
**CAS Number:** 131-57-7

**Compound CID:** 4632

**Synonym:** 131-57-7; Eusolex 4360; Escalol 567;

(2-Hydroxy-4-methoxyphenyl)-phenylmethanone

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	Oxybenzone, soluble in DMSO and ethanol and insoluble in water, is an organic compound used in sunscreens. The molecular weight of the compound is 228.24, and its molecular formula is $C_{14}H_{12}O_3$ .
<b>Molecular Weight</b>	228.24
<b>Molecular Formula</b>	$C_{14}H_{12}O_3$
<b>IUPAC Name</b>	(2-Hydroxy-4-methoxyphenyl)-phenylmethanone
<b>InChI</b>	InChI=1S/C14H12O3/c1-17-11-7-8-12(13(15)9-11)14(16)10-5-3-2-4-6-10/h2-9,15H,1H3
<b>InChI Key</b>	DXGLGDHPHMLXJC-UHFFFAOYSA-N
<b>Canonical SMILES</b>	<chem>COC1=CC(=C(C=C1)C(=O)C2=CC=CC=C2)O</chem>
<b>Isomeric SMILES</b>	<chem>C1=CC(=CC=C1C[C@@H](C(=O)O)N)O</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Solubility</b>	<i>In vitro</i> : DMSO: 38 mg/mL (166.49 mM); Water: insoluble; Ethanol: 38 mg/mL (166.49 mM)
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Oxybenzone can be used for its ability to inhibit the reactions in the skin that lead to photodamage.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , and keep desiccated.



CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: [info@bioglyco.com](mailto:info@bioglyco.com)

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