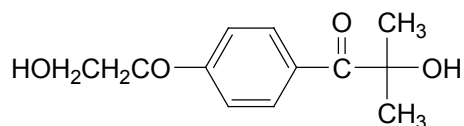

PHOTOINITIATOR

1. General

R-gen® 259 is a highly efficient photoinitiator designed specifically for clear UV system. With its unique structure, R-gen® 259 is able to disperse in water and is thus ideal for water-borne applications. In addition, R-gen® 259 does not generate benzaldehyde aftercure, therefore it is highly recommended for odorless application.

2. Properties

Structure :



Chemical name	:	2-hydroxy-1-[4-(2-hydroxyethoxy)phenyl]-2-methyl- 1-propanone
CAS No.	:	106797-53-9
ELINCS No.	:	402-670-3
Molecular formula	:	C ₁₂ H ₁₆ O ₄
Molecular weight	:	224.25

3. Physical Data

Appearance	:	White powder
Odor	:	Very faint
Melting point	:	86 - 90 °C
Boiling point	:	331 °C

4. Solubility

(g in 100 ml solvent @20 °C)

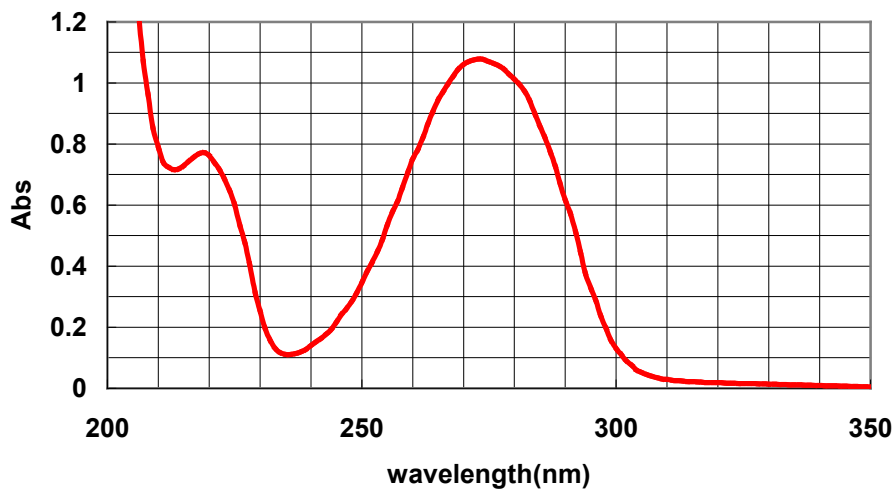
Acetone	:	2.5
Toluene	:	< 0.1
Ethyl acetate	:	4.0
Dichloromethane	:	4.0
Acetonitrile	:	20.0
Methanol	:	> 50
Water	:	< 0.1

5. Specification

Appearance	:	White powder
Assay	:	98% min.
Melting point	:	86 - 91 °C
Volatiles	:	0.5% max.

6. UV Spectrum

R-gen 259



7. Packaging

20 kg net/carton box