



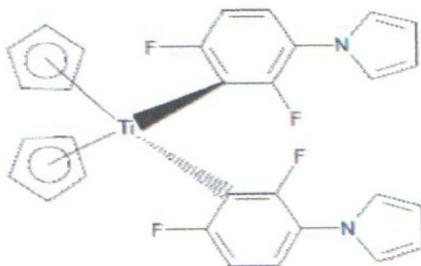
## Photoinitiator 3084

**Introduction** Photoinitiator 3084 is a highly effective, very active orange-yellow cationic UV light agent for

The UV polymerization of the unsaturated prepolymerization system is initiated. Absorbs visible light (520nm), is very sensitive to oxygen, and

Its intrinsic color, which limits its scope of use, is suitable for use in some special fields.

### Chemical Stru



**Chemical name** bis 2,6-difluoro-3-pyrrolyl phenyltitanium

Molecular weight: 534.4

CAS. NO. 125051-32-3

**Physical appearance** Appearance: orange powder

Purity:  $\geq 99\%$  (hplc)

Melting point: 160-170 ° C

Volatile:  $\leq 40.5\%$

Absorption wavelength / nm: (in methanol solution)

Solubility: 20 ° C (g / 100g solution)

acetone	Butanone	HDDA	TMPTA
30	30	10	5

**Uses** have been tested and proven to be photocurable with unsaturated resin under visible or uv exposure.

Photocuring in systems such as acrylic prepolymers and some monofunctional or polyfunctional monomers system.

Due to its wide absorption range, 3084 has an effective absorption peak of 390, 460 mm and has been sucked all the time.

It is about 500mm, wide in sensitization range, and can be used in visible light curing system with photobleaching

just. It can be used in light color systems, and can be used in dark systems, so it can be used in uv coatings, uv inks,

Electronic ink, pcb ink, led ink, dry film, uv adhesive, photoresist, photopolymerization

High-tech and high value-added fields such as printing plates, composite materials, dental fillers, and line inks.

The use of this product should be used alone or in combination with other photoinitiators depending on the results of the actual experiment.



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Recommended dosage:

Photopolymer (image or information storage) 0.3 -10.0%

Other applications 0.5 -5.0%

Storage conditions 3084 are sensitive to light and should be avoided when exposed to sunlight. The opened package should be resealed as soon as possible.

Keep away from light. Store at room temperature below 25 ° C and under absolutely dry conditions; avoid contact with alkalis and water

touch. Under the original, sealed packaging container and the above storage conditions, the shelf life of this product is 2 years.

**Packing size 5 kg / barrel**