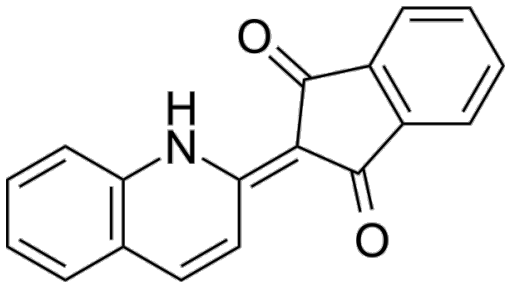
Product Data Sheet

Product Name: Quinophthalone
Cat. No.: GC74224

Chemical Properties

Cas. No.	5662-03-3		
Formula	$C_{18}H_{11}NO_2$	M.Wt	273.29
Solubility		Storage	4°C, protect from light
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

Quinophthalone is a dye with distinctive greenish yellow color. Quinophthalone is used as coloring agents for various materials. Quinophthalone is a strong sensitizer in guinea pigs, and its threshold concentration for induction and challenge is 10 ppm.

References:
[1]. Gi Rim Han, et al. Shedding new light on an old molecule: quinophthalone displays uncommon N-to-O excited state intramolecular proton transfer (ESIPT) between photobases. Sci Rep. 2017 Jun 20;7(1):3863.

Caution: Product has not been fully validated for medical applications. For research use only.
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[2]. Y Sato, et al. D&C nos. 10 and 11: chemical composition analysis and delayed contact persensitivity testing in the guinea pig. Contact Dermatitis. 1984 Jan;10(1):30-8.