

## Lutein [127-40-2]

#Cat: NB-64-27395-1mL	Size: 1mL
#Cat: NB-64-27395-25mg	Size: 25mg
#Cat: NB-64-27395-50mg	Size: 50mg
#Cat: NB-64-27395-100mg	Size: 100mg
#Cat: NB-64-27395-500mg	Size: 500mg

### Chemical Properties

Cas No:	127-40-2
Formula:	C <sub>40</sub> H <sub>56</sub> O <sub>2</sub>
Molecular weight:	568.87
Appearance:	no data available
Storage:	keep away from direct sunlight, keep away from moisture, store under nitrogen Powder: -20°C for 3 years   In solvent: -80°C for 1 year

### Biological Description

Description	1. Lutein (Xantofyl) has antitumour action. 2. Lutein has antimutagenic action. 3. Lutein has a wide range of antimicrobial action. 4. Lutein is potentially useful for treating macular degeneration.
Targets(IC <sub>50</sub> )	Antibacterial

### Solubility Information

Solubility	DMSO: 10.5 mg/mL (18.46 mM), Sonication is recommended. H <sub>2</sub> O: Insoluble, Ethanol: 10 mg/mL (17.57 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7579 mL	8.7894 mL	17.5787 mL
5 mM	0.3516 mL	1.7579 mL	3.5157 mL
10 mM	0.1758 mL	0.8789 mL	1.7579 mL
50 mM	0.0352 mL	0.1758 mL	0.3516 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

### Reference

Bunger M , Quataert M , Kamps L , et al. Bioavailability of lutein from a lutein-enriched egg-yolk beverage and its dried re-suspended versions[J]. International Journal of Food Sciences and Nutrition, 2014, 65(7):903-909.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use