

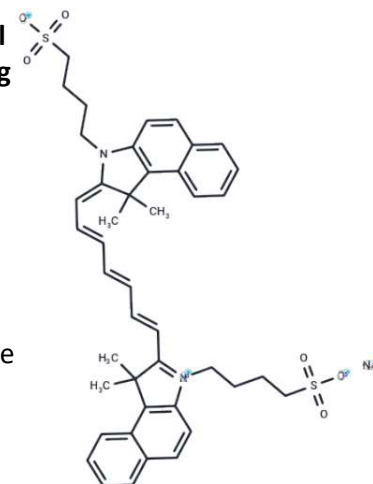
## Indocyanine green [3599-32-4]

#Cat: NB-64-06164-100mg

Size: 100ml

#Cat: NB-64-06164-500mg

Size: 500mg



### Chemical Properties

Cas No: 3599-32-4

Formula: C<sub>43</sub>H<sub>47</sub>N<sub>2</sub>NaO<sub>6</sub>S<sub>2</sub>

Molecular weight: 774.96

Appearance: no data available

Storage: keep away from direct sunlight, keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

### Biological Description

<b>Description</b>	Indocyanine green (Cardiogreen) is a low toxic fluorescent agent, is a tricarbocyanine dye, has been widely used in medical diagnostics, such as determining cardiac output, hepatic function, and liver blood flow, and for ophthalmic angiography.
<b>Targets(IC<sub>50</sub>)</b>	Others
<b>In vitro</b>	Cardiogreen(ICG-PDT) at concentrations 1000µg/mL, induced the significant expression of BAX in HGF cells; however, the laser irradiation as well as ICG showed no significant effects on the expression of these genes. Treatment with ICG alone, laser irradiation and ICG-PDT caused no observable BCL-2 gene expression changes between the tested and control groups.

### Solubility Information

<b>Solubility</b>	H <sub>2</sub> O: 10 mg/mL (12.90 mM), Sonication is recommended. DMSO: 21.67 mg/mL (27.96 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2904 mL	6.4519 mL	12.9039 mL
5 mM	0.2581 mL	1.2904 mL	2.5808 mL
10 mM	0.129 mL	0.6452 mL	1.2904 mL
50 mM	0.0258 mL	0.129 mL	0.2581 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

Zhang W, Cui Y, Lu M, et al. Hormonally and chemically defined expansion conditions for organoids of biliary tree Stem Cells. *Bioactive Materials*. 2024, 41: 672-695.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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