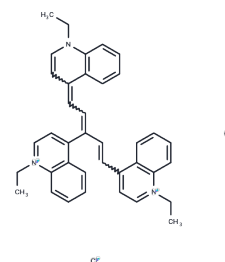


## Lumin

## Chemical Properties

CAS No. :	80893-93-2
Formula:	C <sub>38</sub> H <sub>37</sub> Cl <sub>2</sub> N <sub>3</sub>
Molecular Weight:	606.63
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Lumin is a cyanine dye that enhances interleukin 12-dependent interferon gamma production by lipopolysaccharide-stimulated mouse splenocytes.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6485 mL	8.2423 mL	16.4845 mL
5 mM	0.3297 mL	1.6485 mL	3.2969 mL
10 mM	0.1648 mL	0.8242 mL	1.6485 mL
50 mM	0.033 mL	0.1648 mL	0.3297 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Yamamoto N, Homma S, Nakagawa Y, Hayami M, Imanaga H, Kurimoto M, Mitsuhashi M, Kimoto T. Activation of mouse macrophages by in vivo and in vitro treatment with a cyanine dye, lumin. J Photochem Photobiol B. 1992 May 15;13(3-4):295-306. PubMed PMID: 1506993.

Kunikata T, Ishihara T, Ushio S, Iwaki K, Ikeda M, Kurimoto M. Lumin, a cyanine dye, enhances interleukin 12-dependent interferon gamma production by lipopolysaccharide-stimulated mouse splenocytes. Biol Pharm Bull. 2002 Aug;25(8):1018-21. PubMed PMID: 12186401.

Mito K. A needle type therapeutic system incorporating laser light and lumin for immunotherapy of cancer growing in deep organs. J Med Eng Technol. 1996 May-Jun;20(3):121-6. PubMed PMID: 8877753.

Mito K. Photodynamic efficiency of macrophage activity using a photosensitizer, lumin, with near-IR laser light for photoimmunotherapy of a cancer. Front Med Biol Eng. 1996;7(2):81-92. PubMed PMID: 8803558.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481