

LD 490

Chemical Properties

CAS No. : 58336-35-9

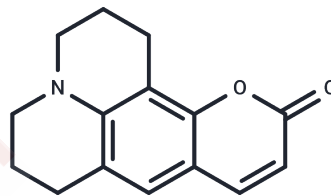
Formula: C₁₅H₁₅NO₂

Molecular Weight: 241.29

Keep away from direct sunlight

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

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|------------------------|
| Description | LD 490 is a laser dye. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 4.1444 mL | 20.722 mL | 41.4439 mL |
| 5 mM | 0.8289 mL | 4.1444 mL | 8.2888 mL |
| 10 mM | 0.4144 mL | 2.0722 mL | 4.1444 mL |
| 50 mM | 0.0829 mL | 0.4144 mL | 0.8289 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

- Li H, Yin H, Liu X, Shi Y, Jin M, Ding D. An experimental and theoretical study of solvent hydrogen-bond-donating capacity effects on ultrafast intramolecular charge transfer of LD 490. *Spectrochim Acta A Mol Biomol Spectrosc.* 2017 Sep 5;184:270-276. doi: 10.1016/j.saa.2017.05.027. Epub 2017 May 15. PubMed PMID: 28525861.
- Degirmencioglu A, Buturak A, Zencirci E, Karakus G, Güvenc TS, Akyol A, Esen A, Demirci Y, Sipahi I, Dagdelen S, Norgaz T, Gorgulu S. Comparison of Effects of Low- versus High-Dose Heparin on Access-Site Complications during Transradial Coronary Angiography: A Double-Blind Randomized Study. *Cardiology.* 2015;131(3):142-8. doi: 10.1159/000377621. Epub 2015 Apr 28. PubMed PMID: 25926088.
- Qin X, Zerr DM, Kronman MP, Adler AL, Berry JE, Rich S, Buccat AM, Xu M, Englund JA. Comparison of molecular detection methods for pertussis in children during a state-wide outbreak. *Ann Clin Microbiol Antimicrob.* 2016 Apr 27;15:28. doi: 10.1186/s12941-016-0142-4. PubMed PMID: 27121506; PubMed Central PMCID: PMC4847268.
- Wahman DG, Schrantz KA, Pressman JG. Determination of the effects of medium composition on the monochloramine disinfection kinetics of *Nitrosomonas europaea* by the propidium monoazide quantitative PCR and Live/Dead BacLight methods. *Appl Environ Microbiol.* 2010 Dec;76(24):8277-80. doi: 10.1128/AEM.01631-10. Epub 2010 Oct 15. PubMed PMID: 20952645; PubMed Central PMCID: PMC3008258.

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