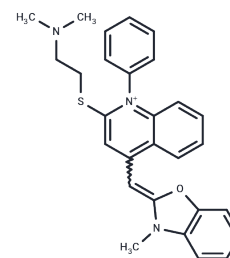


## SYBR Green II (Ionic form)

### Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 178919-00-1  |
| Formula:          | C <sub>28</sub> H <sub>28</sub> N <sub>3</sub> O <sub>5</sub>  |
| Molecular Weight: | 454.61   |
| Storage:          | Keep away from direct sunlight<br>Store at -20°C<br><small>Actual storage temperature shall be subject to the COA.</small> |



### Biological Description

|               |  |
|---------------|--|
| Description   | SYBR Green II (Ionic form) is a fluorescent dye for nucleic acids that primarily binds to single-stranded nucleotides. It is sensitive to oligonucleotides and larger nucleic acid polymers in various cells and gels. SYBR Green II is applicable in studies of cellular structure, membrane integrity or functionality, and cell cycle distribution. Wavelength: 484/515 nm. |
| Targets(IC50) | Others   |
| In vitro      | SYBR Green II binds to RNA or single-stranded DNA, emitting fluorescence. It can be used for staining RNA/DNA either before or after electrophoresis.  |

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.1997 mL | 10.9984 mL | 21.9969 mL |
| 5 mM  | 0.4399 mL | 2.1997 mL  | 4.3994 mL  |
| 10 mM | 0.220 mL  | 1.0998 mL  | 2.1997 mL  |
| 50 mM | 0.044 mL  | 0.220 mL   | 0.4399 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.

**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