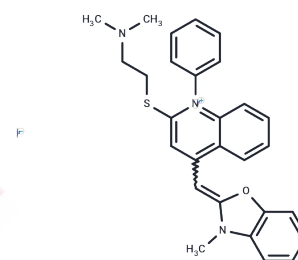


SYBR GREEN II

Chemical Properties

CAS No. :	172827-25-7
Formula:	C ₂₈ H ₂₈ N ₃ O ₃ S
Molecular Weight:	581.51
Storage:	Keep away from direct sunlight, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	1) Non-toxicity: belong to flower-stem dye, easy to biodegrade, no carcinogenic toxicity. 2) High sensitivity: at least 100pg ssDNA or RNA can be detected, which is 25 ~ 100 times higher than EB staining. 3) High SIGNAL-to-noise ratio: the sample fluorescence signal is strong, while the background signal is low. 4) Simple operation: like EB, the dye does not degrade in the prefabricated gel and electrophoresis process; The dyeing process after electrophoresis takes only 30 minutes without decoloring or washing, and can be observed directly with ultraviolet gel transmission or visible light transmission.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7197 mL	8.5983 mL	17.1966 mL
5 mM	0.3439 mL	1.7197 mL	3.4393 mL
10 mM	0.172 mL	0.8598 mL	1.7197 mL
50 mM	0.0344 mL	0.172 mL	0.3439 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