

RBITC [Rhodamine B 5-isothiocyanate]

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No.:          | 36877-69-7   |
| Formula:          | C <sub>29</sub> H <sub>30</sub> CIN <sub>3</sub> O <sub>3</sub> S      |
| Molecular Weight: | 536.08   |
| Appearance:       | N/A  |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months). |

## Biological Description

|             |  |
|-------------|--|
| Description | Rhodamine B isothiocyanate is a mixture of isomers for fluorescence applications including fluorescent marking of proteins. It is derivatite of phenolphthalein. |
| In vitro    | Rhodamine B isothiocyanate (RBITC), an organic fluorescence dye, is widely used as a fluorescent tag in biological applications                                  |

## Solubility Information

|            |   |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

### Preparing Stock Solutions

|       | 1mg      | 5mg      | 10mg      |
|-------|----------|----------|-----------|
| 1 mM  | 1.865 mL | 9.327 mL | 18.654 mL |
| 5 mM  | 0.373 mL | 1.865 mL | 3.731 mL  |
| 10 mM | 0.187 mL | 0.933 mL | 1.865 mL  |
| 50 mM | 0.037 mL | 0.187 mL | 0.373 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

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

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481