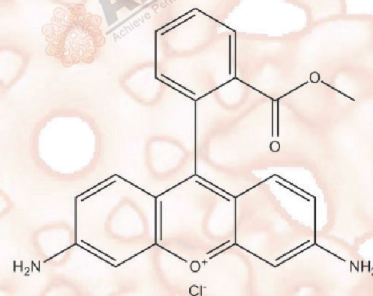


# Product Data Sheet

## Rhodamine 123 (chloride)

<b>Cat. No.:</b>	C3140
<b>CAS No.:</b>	62669-70-9
<b>Formula:</b>	C <sub>21</sub> H <sub>17</sub> N <sub>2</sub> O <sub>3</sub> ·Cl
<b>M.Wt:</b>	380.8
<b>Synonyms:</b>	R-22420,R-302,RH123
<b>Target:</b>	Membrane Transporter/Ion Channel
<b>Pathway:</b>	P-gp
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

≥10.65 mg/mL in EtOH with ultrasonic; ≥2.25 mg/mL in H<sub>2</sub>O with ultrasonic; ≥20.5 mg/mL in DMSO with ultrasonic

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass		
		1mg	5mg	10mg
	1 mM	2.6261 mL	13.1303 mL	26.2605 mL
	5 mM	0.5252 mL	2.6261 mL	5.2521 mL
	10 mM	0.2626 mL	1.3130 mL	2.6261 mL

Please refer to the solubility information to select the appropriate solvent.

### Biological Activity

Shortsummary

membrane-permeable cationic dye used as substrate for the efflux pump P-glycoprotein

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APEX BIO Technology**

**[www.apexbt.com](http://www.apexbt.com)**

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

