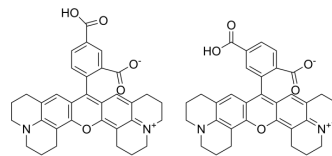


## 5(6)-ROX

<b>Cat. No.:</b>	HY-D0043
<b>CAS No.:</b>	198978-94-8
<b>Molecular Formula:</b>	C <sub>33</sub> H <sub>30</sub> N <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	534.6
<b>Target:</b>	DNA Stain
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (93.53 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.8706 mL	9.3528 mL	18.7056 mL
	5 mM	0.3741 mL	1.8706 mL	3.7411 mL
	10 mM	0.1871 mL	0.9353 mL	1.8706 mL

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

### BIOLOGICAL ACTIVITY

#### Description

5(6)-ROX is a nucleic acid fluorescent label which can be used as a reference dye for real-time polymerase chain reaction.

### CUSTOMER VALIDATION

- Biosens Bioelectron. 2021 Apr 15;178:113025.

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

### REFERENCES

[1]. Wang G, et al. Optimization of 6-carboxy-X-rhodamine concentration for real-time polymerase chain reaction using molecular beacon chemistry. Can J Microbiol. 2007 Mar;53(3):391-7.

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA