



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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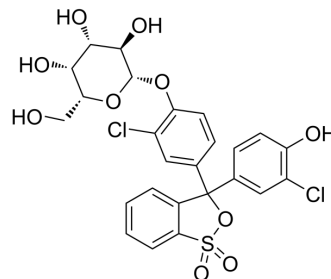
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## Chlorophenol red-β-D-galactopyranoside

<b>Cat. No.:</b>	HY-D1224
<b>CAS No.:</b>	99792-79-7
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>22</sub> Cl <sub>2</sub> O <sub>10</sub> S
<b>Molecular Weight:</b>	585.41
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (213.53 mM; Need ultrasonic)  
H<sub>2</sub>O : 100 mg/mL (170.82 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7082 mL	8.5410 mL	17.0820 mL
	5 mM	0.3416 mL	1.7082 mL	3.4164 mL
	10 mM	0.1708 mL	0.8541 mL	1.7082 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Chlorophenol red-β-D-galactopyranoside is a long-wavelength dye, which has been widely used for colorimetric assays. Chlorophenol red-β-D-galactopyranoside is also a β-galactosidase substrate commonly used in recombinant yeast oestrogenic assays<sup>[1][2]</sup>.

### REFERENCES

[1]. Sicard C, et al. A rapid and sensitive fluorimetric β-galactosidase assay for coliform detection using chlorophenol red-β-D-galactopyranoside. *Anal Bioanal Chem.* 2014 Sep;406(22):5395-403.

[2]. Els Vanderperren, et al. Oestrogenic activity of CPRG (chlorophenol red-β-D-galactopyranoside), a β-galactosidase substrate commonly used in recombinant yeast oestrogenic assays. *Biomarkers.* 2001;6(5):375-80.

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

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