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Lieferung & Zahlungsart

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Zuschläge

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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

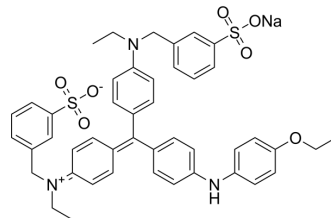
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Brilliant Blue R250

Cat. No.:	HY-D0232
CAS No.:	6104-59-2
Molecular Formula:	C ₄₅ H ₄₄ N ₃ NaO ₇ S ₂
Molecular Weight:	825.97
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (60.53 mM; Need ultrasonic)			
	H ₂ O : 2 mg/mL (2.42 mM; ultrasonic and warming and heat to 60°C)			
		Solvent Concentration	Mass	
			1 mg	5 mg
Preparing Stock Solutions	1 mM	1.2107 mL	6.0535 mL	12.1070 mL
	5 mM	0.2421 mL	1.2107 mL	2.4214 mL
	10 mM	0.1211 mL	0.6053 mL	1.2107 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1 mg/mL (1.21 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (1.21 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Brilliant blue R250 (Brilliant Blue R), an anionic dye, is the most popular stain to detect proteins resolved in SDS-PAGE gels ^[1] .
In Vitro	Stain solution preparation: Add 100 mL of glacial acetic acid to 450 mL ultrapure water. Dissolve the 3 g of Coomassie Dye in 450 mL methanol. Filter the solution before use Standard Gel Staining Protocol 1. Gel may be prefixed in 50% MeOH, 10% HoAC, and 40% H ₂ O for 30 minutes to overnight. 2. Stain gel in the above solution, with 0.25-0.3% Coomassie Blue R-250, for 2-4 hours, until the gel is a uniform blue color.

Staining is complete when the gel is no longer visible in the dye solution. Before complete staining, the gel will appear as a lighter area against the dark staining solution.

3. Destain for 4-24 hours in 5% MeOH, 7.5% HOAC, 87.5% H₂O.

4. Store gels in 7% HOAC.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Research Square Print. 2023 Feb 9.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Krause RGE, et al. Crystal violet stains proteins in SDS-PAGE gels and zymograms. Anal Biochem. 2019;566:107-115.

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

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