

## Specification Sheet

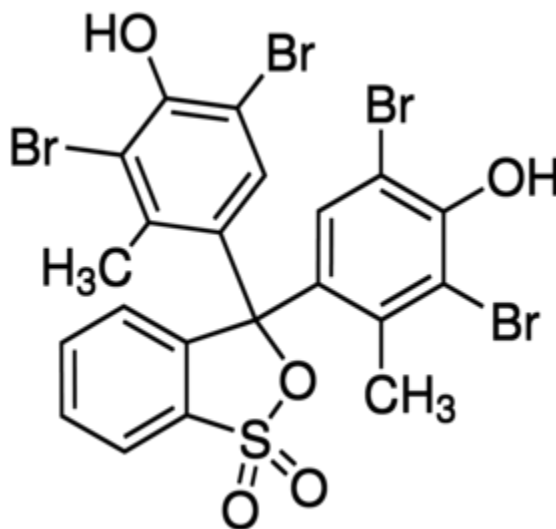
114359 Sigma-Aldrich

## Bromocresol Green

ACS reagent, Dye content 95 %

3,3'-5,5'-tetrabromomcresol sulfonic phthalein

- CAS Number [76-60-8](#)
- Empirical Formula (Hill Notation)  $C_{21}H_{14}Br_4O_5S$
- Molecular Weight 698.01
- Beilstein/REAXYS Number 372527
- EC Number [200-972-8](#)
- MDL number [MFCD00005874](#)
- PubChem Substance ID [24847166](#)
- NACRES NA.47



SKU-Pack Size	Availability	Pack Size	Price (SGD)	Quantity
114359-5G	Available to ship on 14.04.2021 - FROM	5 g	38.83	<input type="text" value="0"/>
114359-25G	Available to ship on 14.04.2021 - FROM	25 g	149.35	<input type="text" value="0"/>



## Properties

Related Categories	<a href="#">B, Cell Biology, Hematology and Histology, Stains &amp; Dyes, A to Z, Stains and Dyes</a> <a href="#">More...</a>
Quality Level	200
grade	ACS reagent
assay	≥95%
form	powder
composition	Dye content, 95%
application(s)	hematology: suitable
	histology: suitable
visual transition interval	3.8 - 5.4, yellow to blue (passes test)
mp	225 °C (dec.) (lit.)
$\lambda_{\text{max}}$	423 nm
Featured Industry	Diagnostic Assay Manufacturing
storage temp.	room temp
SMILES string	<chem>Cc1c(Br)c(O)c(Br)cc1C2(OS(=O)(=O)c3ccccc23)c4cc(Br)c(O)c(Br)c4C</chem>
InChI	1S/C21H14Br4O5S/c1-9-12(7-14(22)19(26)17(9)24)21(13-8-15(23)20(27)18(25)10(13)2)11-5-3-4-6-16(11)31(28,29)30-21/h3-8,26-27H,1-2H3
InChI key	FRPHFZCDPYBUAU-UHFFFAOYSA-N

[Show Fewer Properties](#)

## Description

### *Application*

Bromocresol Green (BCG) is a pH sensitive triphenylmethane dye useful in a variety of colorimetric detection technologies.

BCG is used as a tracking dye for DNA agarose gel electrophoresis, in protein determinations and in charge-transfer complexation processes. In TLC BCG is used for visualisation of the compounds with functional groups whose pKa is below 5.0.

### *Packaging*

5, 25 g in glass bottle

