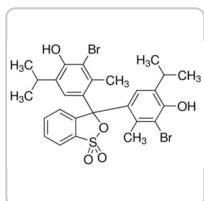


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114413 ► **Sigma-Aldrich.**

Bromothymol Blue

★★★★★ (0)

ACS reagent, Dye content 95 %

Synonyme(s):

3',3''-Dibromothymolsulfonphthalein

Empirical Formula (Hill Notation):C₂₇H₂₈Br₂O₅S**Numéro CAS:** **76-59-5****Beilstein:** 373934**Numéro MDL:** **MFCD00005872****Poids moléculaire:** 624.38**Numéro EC:** **200-971-2****ID de substance PubChem:** **24847171**

Référence	Conditionnement	Disponibilité	Prix	Quantité
114413-5G	5 G	✓ Only 6 left in stock (more on the way) Détails...	48,80 €	− + i
114413-25G	25 G	✓ Only 1 left in stock (more on the way) Détails...	190,00 €	− + i

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PRODUITS RECOMMANDÉS

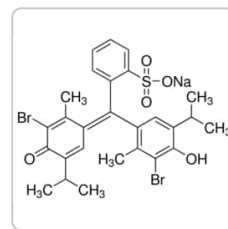


Supelco

1.03026

Bromothymol blue

indicator ACS, Reag. Ph Eur



Sigma-Aldrich

318752

Bromothymol Blue sodium salt solution

0.04 wt. % in H₂O

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PROPRIÉTÉS

Qualité ACS reagent

Niveau de qualité 200

Forme powder

Composition Dye content, 95%

visual transition interval 6.0-7.6, yellow to blue(passes test)

Pf 200-202 °C (lit.)

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Extinction coefficient,	≥8000 at 620-632 nm in methanol ≥9000 at 279-285 nm in methanol
SMILES string	<chem>CC(C)c1cc(c(C)c(Br)c1O)C2(OS(=O)(=O)c3ccccc23)c4cc(C(C)C)c(O)c(Br)c4C</chem>
InChI	1S/C27H28Br2O5S/c1-13(2)17-11-20(15(5)23(28)25(17)30)27(19-9-7-8-10-22(19)35(32,33)34-27)21-12-18(14(3)4)26(31)24(29)16(21)6/h7-14,30-31H,1-6H3
InChI key	NUHCTOLBWMJMLX-UHFFFAOYSA-N

Vous recherchez des produits similaires ? Visitez [Guide de comparaison des produits](#)

DESCRIPTION

Description générale

Bromothymol Blue is a sulfonated hydroxyquinone in acidic aqueous solutions. In alkaline solutions, this dye is present as a moderately sized dianion. It is also known as bromthymol blue and dibromothymolsulfonphthalein.

Application

Bromothymol blue dye serves as a pH indicator because of the precise color transition at neutrality. Other applications include:

- as a vital stain to trace the movement of fluids from the lymph and to define cell walls or nuclei under the microscope
- for the demonstration of fungal hyphae within plant roots
- in the assessment of the soluble acidity within single rice grains

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5, 25 g in glass bottle

INFORMATIONS SUR LA SÉCURITÉ**Code de la classe de stockage**

11 - Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

Équipement de protection individuelle

Eyeshields, Gloves, type N95 (US)

DOCUMENTATION**Certificat d'analyse**

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

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Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COO)

Rechercher

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[Structure Search](#)

[FDS](#)

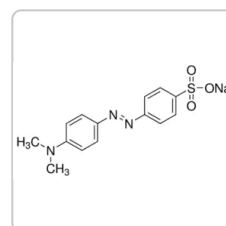
LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Supelco

1.01895

Bromothymol blue sodium salt
indicator water-soluble ACS



Sigma-Aldrich

114510

Methyl Orange

ACS reagent, Dye content 85 %



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ARTICLES REVUS PAR DES PAIRS

Pushing the Limits of Spatial Assay Resolution for Paper-Based Microfluidics Using Low-Cost and High-Throughput Pen Plotter Approach.

Reza Amin et al.

Micromachines, 11(6) (2020-07-01)

To transform from reactive to proactive healthcare, there is an increasing need for low-cost and portable assays to continuously perform health measurements. The paper-based analytical devices could be a potential fit for this need. To miniaturize the multiplex paper-based microfluidic

Reversible and high accuracy pH colorimetric sensor array based on a single acid-base indicator working in a wide pH interval.

Andrea Pastore et al.

Talanta, 219, 121251-121251 (2020-09-06)

A pH colorimetric sensor array (CSA) with fast response time (<1 min) using only one acid-base indicator, Bromothymol Blue (BB), was prepared and characterized by modulating the amount, C, of the surfactant Hexadecyltrimethylammonium p-toluenesulfonate between 0 and 0.3725 gCTApTs/gprecursor with a

An optical fiber biosensor for chlorpyrifos using a single sol-gel film containing acetylcholinesterase and bromothymol blue.

Bambang Kuswandi et al.

Talanta, 74(4), 613-618 (2008-03-29)

An optical fiber biosensor consisting of acetylcholinesterase (AChE) and bromothymol blue (BTB) doped sol-gel film was employed to detect organophosphate pesticide chlorpyrifos. The main advantage of this optical biosensor is the use of a single sol-gel film with immobilized AChE

Liquid-liquid microextraction without phase separation in a multicommuted flow system for diltiazem determination in pharmaceuticals.

Mariana A Sanchez et al.

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was

A colorimetric assay for measuring phospholipase A2 degradation of phosphatidylcholine at physiological pH.

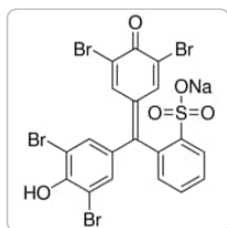
Joseph A Price

Journal of biochemical and biophysical methods, 70(3), 441-444 (2006-12-16)

Phospholipase A(2) is an important enzyme in various pathologies. Although fluorescent substrate assays for it have been recently developed, there is a need for an assay with inexpensive commercially available substrates, useful when samples interfered with fluorescent assays, that is

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PRODUITS CONSULTÉS RÉCEMMENT

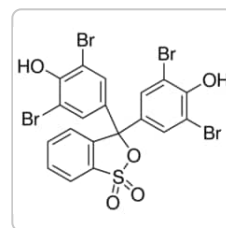


Sigma-Aldrich

114405

Bromophenol Blue sodium salt

Dye content 90 %, ACS reagent



Sigma-Aldrich

114391

Bromophenol Blue

ACS reagent

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Évaluations

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