

Product Name: Bromothymol Blue
Catalog Number: A17746.09

CAS Number: 76-59-5
IUPAC Name: 3,3-bis[3-bromo-4-hydroxy-2-methyl-5-(propan-2-yl)phenyl]-3H-2,1λ⁶-benzoxathiole-1,1-dione
Molecular Formula: C₂₇H₂₈Br₂O₅S
Molecular Weight: 624.38
InChI Key: NUHCTOLBWMJMLX-UHFFFAOYSA-N
SMILES: CC(C)C1=CC(=C(C)C(Br)=C1O)C1(OS(=O)(=O)C2=CC=CC=C12)C1=CC(C(C)C)=C(O)C(Br)=C1C
Synonym: bromothymol blue bromthymol blue

Product Specification

Appearance (Color): Pink or brown
Form: Powder
Specific Absorbance (E 1%/1cm): Lambda-max @ pH 7.6: ≥470
Color Change: Yellow @ pH 5.8 to blue @ pH 7.6
lambda-max (UV-Vis): 615 ? 5nm @ pH 7.6
Loss on Drying: <3.0% (105°C/const. wt.)
Specific Absorbance (E 1%/1cm): Lambda-max @ pH 5.8: ≥260
lambda-max (UV-Vis): 430 ? 5nm @ pH 5.8
Solution Test: (1 mg/L in ethanol): Clear yellow solution

Date Of Print: 06/05/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.