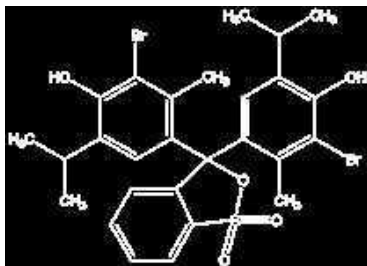


## BROMOTHYMOLO BLUE

AZ0130 Bromothymol blue, indicator, ACS



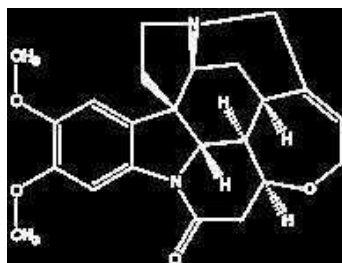
- Synonyms: 3',3''-Dibromothymol-sulfonphthalein, BTB
- $C_{27}H_{26}Br_2O_5$
- $M = 624,40$  g/mol
- CAS [76-59-5]
- EINECS-No.: 200-971-2
- Solub. in water: (20 °C): insoluble
- Tariff number: 2934 99 90 90
- Applications: analytical chemistry, indicator.

pH range (yellow to blue) . . . . . 5,8 - 7,6  
 Absorption maximum  $\lambda_1$  (pH 5,8) . . . . . 430 - 435 nm  
 Absorption maximum  $\lambda_2$  (pH 7,6) . . . . . 615 - 618 nm  
 Absorptivity (A1%/1 cm;  $\lambda_1$ ; pH 5,8  
 on dried sample) . . . . . 260 - 300  
 Absorptivity (A1%/1 cm;  $\lambda_2$ ; pH 7,6  
 on dried sample) . . . . . 470 - 520  
 transition range acc. ACS . . . . . passes test  
 loss on drying (110 °C) . . . . . max. 3 %

ART. NO.	VOLUME	CONTAINER
AZ01300005	5 g	0
AZ01300025	25 g	0

## BRUCINE

BR0269 Brucine, EssentQ®



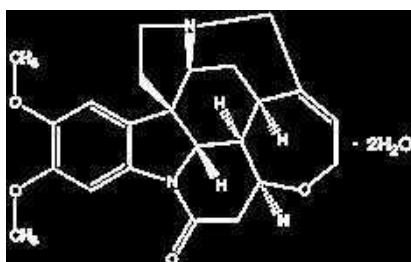
- Synonyms: 2,3-Dimethoxystrychnine
- $C_{23}H_{26}N_2O_4$
- $M = 394,45$  g/mol
- CAS [357-57-3]
- EINECS-No.: 206-614-7
- Solub. in water: (20 °C): slightly soluble
- Melting point: 176 - 180 °C
- LD 50 (oral, rat): 150 mg/kg
- EC-Index-No.: 614-006-00-1
- ADR: 6.1 T2 | UN 1570
- IMDG: 6.1 | UN 1570
- IATA/ICAO: 6.1 | UN 1570
- GHS-signal word: Danger
- GHS-H sentences: H300 - H330 - H412
- GHS-P sentences: P260 - P284 - P320 - P321 - P405 - P501a
- Tariff number: 2939 99 00 00
- Applications: synthesis of organic products, analytical chemistry, denaturing alcohols and oils.
- Appearance: White solid

assay (DSC, on dried sample) . . . . . min. 98,5 %  
 identity (IR-spectrum) . . . . . passes test  
 specific rotation ( $[\alpha]_{20}^{D}$ ; c = 2,5,  
 chloroform) . . . . . - 118° - - 128°  
 residue on ignition . . . . . max. 0,1 %  
 loss on drying (105°C, 3 h) . . . . . max. 1 %

ART. NO.	VOLUME	CONTAINER
BR02690010	10 g	0

## BRUCINE DIHYDRATE

BR0270 Brucine dihydrate, ExpertQ®, for analysis



- Synonyms: 2,3-Dimethoxystrychnine dihydrate
- $C_{23}H_{26}N_2O_4 \cdot 2H_2O$
- $M = 430,50$  g/mol
- CAS [145428-94-0]
- EINECS-No.: 206-614-7
- Solub. in water: (20 °C): slightly soluble
- EC-Index-No.: 614-006-00-1
- ADR: 6.1 T2 | UN 1570
- IMDG: 6.1 | UN 1570
- IATA/ICAO: 6.1 | UN 1570
- GHS-signal word: Danger
- GHS-H sentences: H300 - H330 - H412
- GHS-P sentences: P260 - P284 - P320 - P321 - P405 - P501a
- Tariff number: 2939 99 00 00
- Applications: synthesis of organic products, analytical chemistry, denaturing alcohols and oils.

assay (titration with  $HClO_4$ ) . . . . . min. 99 %  
 specific rotation ( $[\alpha]_{20}^{D}$ ; c=1, ethanol) . . . . . -75° - -80°  
 nitrates ( $NO_3$ ) . . . . . passes test  
 water (K.F.) . . . . . max. 8 %  
 residue on ignition . . . . . max. 0,1 %

ART. NO.	VOLUME	CONTAINER
BR02700005	5 g	0