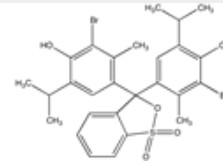


Identification

$C_{27}H_{28}Br_2O_5S$
M = 624,40 g/mol
CAS [76-59-5]
EC number: 200-971-2
Taric code: 2934 99 90

**Synonyms**

3',3''-Dibromothymol-sulfonphthalein, BTB

Applications

analytical chemistry, indicator.

Specifications

pH range (yellow to blue).....	5,8 - 7,6	Absorptivity (A1%/1 cm; λ_1 ; pH 5,8 on dried sample)	260 - 300
Absorption maximum λ_1 (pH 5,8)	430 - 435 nm	Absorptivity (A1%/1 cm; λ_2 ; pH 7,6 on dried sample)	470 - 520
Absorption maximum λ_2 (pH 7,6)	615 - 618 nm	transition range acc. ACS	passes test
		loss on drying (110 °C).....	max. 3 %

Physical data

- Appearance: powder, reddish-brown
- Bulk density: ~ 450 kg/m³
- Solub. in water: (20 °C): insoluble

Transport/storage

- 5°C - 30°C