

Methyl red, C.I. 13020, indicator

Identification

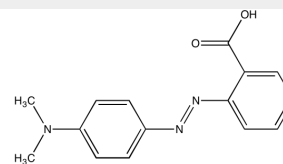
 $C_{15}H_{15}N_3O_2$

M = 269,31 g/mol

CAS [493-52-7]

EC number: 207-776-1

Taric code: 2927 00 00



Synonyms

2-[(4-Dimethylamino)phenylazo]benzoic acid

Applications

analytical chemistry, indicator.

Specifications

pH range (red-violet to brownish - yellow).....	4,5 - 6,2		Absorptivity (A1%/1 cm; I1; pH 4,5 on dried sample)	1380 - 1480
Absorption maximum I1 (pH 4,5).....	523 - 526	nm	Absorptivity (A1%/1 cm; I2; pH 6,2 on dried sample)	700 - 800
Absorption maximum I2 (pH 6,2).....	427 - 437	nm	transition range acc. ACS.....	passes test
			loss on drying (110 °C).....	max. 5 %

Physical data

- Appearance: powder, dark red
- Bulk density: ~ 300 - 500 kg/m³
- Solub. in water: (20 °C): slightly soluble
- Melting point: 178 - 182 °C

Transport/storage

- 10°C - 30°C