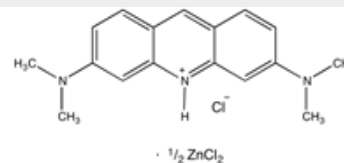


Acridine orange, C.I. 46005, for microscopy

Identification

$C_{17}H_{20}ClN_3 \cdot \frac{1}{2}ZnCl_2$
M = 438,09 g/mol
CAS [10127-02-3]
EC number: 233-353-6
Taric code: 3204 13 00

**Synonyms**

Basic orange, Acridine orange zinc chloride double salt

Applications

bacterium staining, manufacture of dyes.

Specifications

assay (spectrophotometric)min. 60 %	ethanol 50 %).....min. 1345
Absorption maximum λ (in ethanol 50 %).....491 - 495 nm	related substances (TLC).....passes test
Absorptivity (A1%/1 cm; λ max;	suitability for microscopy.....passes test
	loss on drying (110 °C)..... max. 5 %

Physical data

- Bulk density: ~ 200 kg/m³
- Solub. in water: (20 °C): 28 g/l
- pH(10 g/l H₂O, 20 °C) 3,9

Safety - GHS

Signal Word: Warning

Hazard Statements:

H341: Suspected of causing genetic defects.

**Precautionary Statements:**

- P280: Wear protective gloves / protective clothing / eye protection / face protection.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P308+P313: IF exposed or concerned: Get medical advice / attention.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 5°C - 30°C