

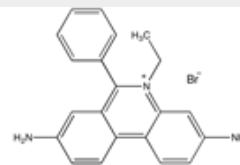
Ethidium bromide, for biochemical purposes**Identification**C₂₁H₂₀BrN₃

M = 394,32 g/mol

CAS [1239-45-8]

EC number: 214-984-6

Taric code: 2933 99 90

**Synonyms**

3,8-Diamino-5-ethyl-6-phenylphenanthridinium bromide, Homidium bromide

Applications

in biochemistry, oxidizing agent.

Specifications

assay (titr. with HClO₄, ref. to
dried sample) min. 98 %
Absorption maximum λ max (in methanol) 524 - 527 nm

Absorptivity (A1%/1 cm; λ max;
methanol, 0,0005%, on dried sample)..... 155 - 165
related substances (TLC)..... passes test
loss on drying (130 °C, 4 h) max. 7 %

Physical data

- Appearance: floury powder, reddish
- Bulk density: ~ 340 kg/m³
- Solub. in water: (25 °C): ~ 40 g/l
- Melting point: 261 - 264 °C
- Flash point: > 100 °C
- pH(10 g/l H₂O, 20 °C) ~ 4,4

Safety - GHS**Signal Word:** Danger**Hazard Statements:**

H330: Fatal if inhaled.

H341: Suspected of causing genetic defects.

H302: Harmful if swallowed.

**Precautionary Statements:**

P260: Do not breathe dust / fume / gas / mist / vapours / spray.

P284: Wear respiratory protection.

P310: Immediately call a POISON CENTER or doctor / physician.

P320: Specific treatment is urgent (see on this label).

P405: Store locked up.

P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 T2 I • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S.(Ethidium bromide)
- IMDG: 6.1 I • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (Ethidium bromide)
- IATA/ICAO: 6.1 I • UN 2811 • TOXIC SOLID, ORGANIC, N.O.S. (Ethidium bromide)
- PAX: 606
- CAO: 607
- 5°C - 30°C