

3-Bromobenzanthrone

Brominated aromatic ketone intermediate for vat dye and pigment chemistry.

CAS No. 81-96-9	EC / List No. 201-390-7	Transport Non-dangerous goods
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Product Information

Brominated aromatic ketone intermediate for vat dye and pigment chemistry.

Specifications

Parameter	Specification
Appearance	Yellowish-brown powder
Assay	>95.0 %
Benzanthrone	<1.5 %
3,9-Dibromobenzanthrone	<1.5 %
pH	6–7
Melting range	164–166 °C
Solubility	Soluble in concentrated sulfuric acid

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	C ₁₇ H ₉ BrO
Molecular weight	309.16 g/mol

Applications

Reducing gray dye intermediates: Building block for qualified reducing gray 3T and related vat dye synthesis.

Olive-green vat dye chemistry: Intermediate for technically supervised reducing olive green B systems.

Dye and pigment intermediate development: Brominated aromatic ketone for selected related dye and pigment synthesis.

Packaging / Storage

Item	Information
Packing	25 kg net cartons on pallets
Storage	Store tightly closed in a cool, dry, ventilated and access-controlled area. Separate from strong oxidizers and protect from moisture, heat and strong light. Avoid airborne powder during opening and transfer.
Handling	Use enclosed powder transfer and effective local exhaust. Wear suitable chemical-resistant gloves, eye protection and protective clothing. Use properly selected particulate respiratory protection where exposure cannot be controlled. Avoid inhalation, skin contact and ingestion.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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