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## Azomethine H

Item#      Unit Size  
A015-10    5 g

**Chemical Name:** 8-Hydroxy-1-(salicylideneamino)-3,6-naphthalenedisulfonic acid, disodium salt

**CAS:** 32266-60-7 (free acid)

**Appearance:** Yellowish-orange or yellowish-brown crystalline powder

**Absorbance (B complex):**  $\geq 0.900$  (around 413 nm)

**MW:** 467.38,  $C_{17}H_{11}NNa_2O_8S_2$

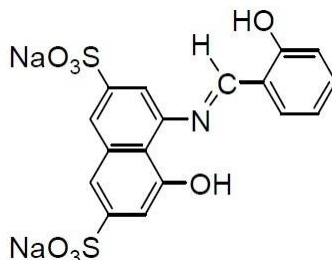
**Storage Condition:** ambient temperature, protect from light

**Shipping Condition:** ambient temperature

## Product Description

Azomethine H is a colorimetric reagent for boron detection; it forms an orange complex with boron in aqueous solution. The molar absorptivity of this complex is  $1.01 \times 10^4$  at 415 nm. The detection range of boron in sample solutions is 1-6  $\mu\text{g}$  per ml. To detect boron in plant samples, EDTA is used to mask copper, iron, and aluminum ions. Azomethine H is used to detect microgram levels of boron in glass and steel samples.

## Chemical Structure



CERTIFICATE NO. 3222

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