Product Name: 8-Hydroxyquinoline
Product Number: H006
CAS Number: 148-24-3
Molecular Formula: C₉H₇NO
Molecular Weight: 145.16
Form: Powder
Appearance: White or light yellow crystalline powder
Source: Synthetic
Water Content (Karl Fisher): ≤0.5%
Storage Conditions: 2-8 °C

Description: 8-Hydroxyquinoline is a chelating compound with antiseptic properties. 8-Hydroxyquinoline is insoluble in water but freely soluble in acetone, chloroform, and benzene.

Microbiology Applications: In addition, 8-hydroxyquinoline has shown to reduce inhibit RNA synthesis in yeast cells by chelating essential divalent ions Mn²⁺ and Mg²⁺ required for RNA polymerase activity.

Plant Biology Applications: 8-Hydroxyquinoline is a routinely used preservative for cut flowers and has shown to increase vase life by approximately 40% (Elgimabi and Ahmed, 2009) (Hojjati, 2007).

References:

If you need any help, contact us: info@toku-e.com. Find more information on: www.toku-e.com/