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## Product Data Sheet

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Product Name: 2,3-Dihydroxyquinoxaline

Cat. No.: GC67743

### Chemical Properties

Cas. No. 15804-19-0

Formula  $C_8H_6N_2O_2$  M.Wt 162.15

Solubility Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure

### Background

2,3-Dihydroxyquinoxaline is a **fluorescent reagent**. 2,3-Dihydroxyquinoxaline can be used for the determination of trace Pb(II) in vinegar<sup>[1]</sup>.

2,3-Dihydroxyquinoxaline (DHQX) shows an intense fluorescence at  $\lambda_{ex}/\lambda_{em} = 328/414$  nm<sup>[1]</sup>.

[1]. Yang, et al. Synthesis of 2,3-dihydroxyquinoxaline and its application in the determination of trace lead. Huaxue Shiji. Volume: 25. Issue: 1. Pages: 20-22. Journal

**Caution: Product has not been fully validated for medical applications. For research use only.**

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