



Caesium chloride, ultra pure

Catalog No: 02450
Lot No: XXXXX
Cas No: 7647-17-8
Formula: CsCl
MW: 168.36
Supplied as: solid
Stability: stable at room temperature

Background

Caesium chloride is widely used in isopycnic centrifugation for separating various types of DNA. It is a reagent in analytical chemistry, where it is used to identify ions by the color and morphology of the precipitate. CsCl is also a potent inhibitor of HCN channels which carry the h-current in excitable cells such as neurons. It can therefore be useful as a tool in electrophysiology experiments in neuroscience.

Tests

Appearance:

Specifications

white crystalline powder

Purity:

≥99.99%

Li:

≤1.0 mg/kg

Na:

≤10 mg/kg

K:

≤15 mg/kg

Rb:

≤30 mg/kg

Ca:

≤5.0 mg/kg

Mg:

≤2.0 mg/kg

Sr:

≤5.0 mg/kg

Ba:

≤10.0 mg/kg

Al:

≤1.0 mg/kg

Fe:

≤1.0 mg/kg

Cr:

≤1.0 mg/kg

Mn:

≤1.0 mg/kg

SiO₂:

≤5 mg/kg

Sulfate:

≤10 mg/kg

H₂O-insoluble:

≤25 mg/kg

Usage

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