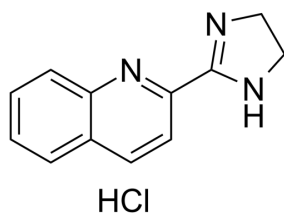


## Certificate of Analysis

**Product Name:** BU224 (hydrochloride)  
**Cat. No.:** CS-0020941  
**CAS No.:** 205437-64-5  
**Batch No.:** 157454  
**Chemical Name:** Quinoline, 2-(4,5-dihydro-1H-imidazol-2-yl)-, hydrochloride (1:1)

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>12</sub>H<sub>12</sub>ClN<sub>3</sub>  
**Molecular Weight:** 233.70  
**Storage:** 2-8°C, protect from light  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Brown to gray (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**MS:** Consistent with structure  
**Purity (HPLC):** 96.35%  
**Conclusion:** The product has been tested and complies with the given specifications.

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

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA