

3050 Spruce Street, Saint Louis, MO 63103, USA

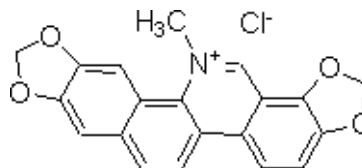
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## Certificate of Analysis

Product Name:

Sanguinarine chloride hydrate - ≥98% (HPLC)

**Product Number:** S5890  
**Batch Number:** SLBG8321V  
**Brand:** SIGMA  
**MDL Number:** MFCD00012126  
**Formula:** C<sub>20</sub>H<sub>14</sub>ClNO<sub>4</sub> · xH<sub>2</sub>O  
**Formula Weight:** 367.78 g/mol  
**Quality Release Date:** 05 JUN 2013



Test	Specification	Result
Appearance (Color)	Orange	Dark Orange
Appearance (Form)	Powder	Powder
Solubility (Color)	Orange	Dark Orange
Solubility (Turbidity)	Clear	Clear
20 mg/mL of MeOH		
% Water	6.5 - 13.0	6.7
by Karl Fischer		
Carbon (anhydrous)	63.7 - 66.9 %	64.7 %
Nitrogen (anhydrous)	3.5 - 4.1 %	3.7 %
Purity (HPLC)	≥ 98 %	98 %

**Note**

CAS Number: 5578-73-4 (anhydrous)  
Formula weight and CAS # are for anhydrous basis.

Rodney Burbach, Manager  
Analytical Services  
St. Louis, Missouri US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.