



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-202800
Lot Number: SAMPLE
Product Name: Sanguinarine chloride
CAS Number: 5578-73-4
Molecular Formula: $C_{20}H_{14}NO_4Cl$
Molecular Weight: 367.8
Native Source: Isolated from the leaves and stems of *Macleaya cordata* and *M. microcarpa*.

Test	Specification	Result
Appearance	Orange Solid	Orange Solid
Identification (NMR)	Consistent with Standard	Complies
Purity (HPLC)	$\geq 98\%$	$> 99\%$
Melting Point	278 - 290 °C	> 280 °C
Solubility	Soluble in methanol (3.8 mg/ml); slightly soluble in water (< 0.3 mg/ml)	Complies
Carbon Content	62.27%	62.07%
Hydrogen Content	4.18%	4.185
Oxygen Content	3.63%	3.59%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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