



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-295173  
Lot Number: SAMPLE  
Product Name: Ifenprodil Tartrate Salt  
CAS Number: 23210-56-2  
Molecular Formula:  $C_{21}H_{27}NO_2 \cdot 0.5C_6H_8O_6$   
Molecular Weight: 325.4 (free base)

Test	Specification	Result
Appearance	White crystalline powder, odorless	Complies
Identification	Positive (tartrate solution)	Complies
Identification (Infrared Spectrum)	Consistent with reference standard	Complies
Identification (UV)	Consistent with reference standard	Complies
Purity	$\geq 98.5\%$	99.6%
Melting Point	145 - 150 °C (decompose)	146 - 147.5 °C (decompose)
Residue on Ignition	$\leq 0.1\%$	0.06%
Specific Rotation	+11° - +15°	+14.6°
Heavy Metals (Pb)	$\leq 0.001\%$	Complies
Related Substances	$\leq 0.5\%$	Complies
Water Content	$\leq 4.0\%$	3.37%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 [www.scbt.com](http://www.scbt.com)