



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-203601
Lot Number: SAMPLE
Product Name: Ifenprodil hemitartrate
CAS Number: 23210-58-4
Molecular Formula: $(C_{21}H_{27}NO_2)_2 \cdot C_4H_6O_6$
Molecular Weight: 400.49

Test	Specification	Result
Appearance	White to off-white solid	White solid
Microanalysis	Elemental analysis within 0.4 of expected result for each element tested	Complies
NMR	300MHz 1H spectrum in CD ₃ OD confirms structure and shows <1% of any other impurity	Complies
Purity (HPLC)	>99% by RP analysis	>99%
TLC	Analysis using a solvent ratio of 9:1:0.1 DCM/MeOH/NH ₄ OH shows a single spot (visualized by UV and KMnO ₄)	R _f = 0.23
Solubility	Soluble in water to 15 mM and in DMSO to 100 mM	Complies

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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