



Product Specification

Product Name: L-Tryptophan 7-amido-4-methylcoumarin hydrochloride
Cat #: T-117
CAS #: 201860-49-3
Storage: Store desiccated at -20°C. Protect from light.

Test	Specifications
Color	white to off-white
Form	powder
Water Content (K. Fischer)	≤3.0%
Specific Optical Rotation [α] _D (c = 1 in methanol, 20°C; calculated on dry matter)	214.0 to 222.0
Quantitative ¹ H-NMR (calculated on dry matter)	≥98.0%
TLC (15 mg/mL in acetone/water 1:1; toluene/ethanol/acetic acid 50:30:10; UV 254 nm and 366 nm, ninhydrin)	corresponds to reference material
Impurity (methanol; GC)	≤5.0%
Free AMC (15 mg/mL in acetone/water 1:1; toluene/ethanol/acetic acid 50:30:10; 366 nm)	≤100 mg/kg
FT-IR Spectrum	corresponds to reference spectrum
¹ H-NMR Spectrum	corresponds to assigned structure
¹³ C-NMR Spectrum	corresponds to assigned structure

GOLD BIOTECHNOLOGY, INC. provides this Product Specification in good faith. Specifications are subject to change.

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