



Product Specification

Product Name: L-Pyroglutamic acid 7-amido-4-methylcoumarin
Cat #: P-260
CAS #: 66642-36-2
Storage: Store desiccated at -20°C. Protect from light.

Test	Specifications
Color	white to slightly yellow
Form	powder
Color of Solution (1% in pyridine/water 1:1)	colorless to slightly yellow
Turbidity (1% in pyridine/water 1:1)	≤4.0 NTU
Water Content (K. Fischer)	≤4.0%
Purity (TLC) (15 mg/mL in acetone/DMF 1:1; chloroform/methanol/acetic acid 90:8:2; UV 254 nm/366 nm, ninhydrin)	≥98.0 area-%
TLC (15 mg/mL in acetone/DMF 1:1; chloroform/methanol/acetic acid 90:8:2; UV 254 nm/366 nm, ninhydrin)	corresponds to reference spectrum
Free AMC (15 mg/mL in acetone/DMF 1:1; chloroform/methanol/acetic acid 90:8:2; UV 366 nm)	≤100 mg/kg
Specific Optical Rotation [α] _D (c = 1 in water/pyridine 1:1 after 3 hours, 20°C)	47.0 to 49.0
FT-IR Spectrum	corresponds to reference spectrum

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

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