



Product Specification

Product Name: N- α -CBZ-L-Arginine 7-amido-4-methylcoumarin hydrochloride
Cat #: C-111
CAS #: 70375-22-3
Storage: Store at -20°C. Protect from light.

Test	Specifications
Color	white to off white
Form	powder
Color of Solution (2% in DMF)	colorless
Turbidity (1% in DMF)	≤ 4.0 NTU
Water Content (K. Fischer)	$\leq 1.0\%$
Melting Point	199 to 203°C
TLC (30 mg/mL in ACN/water 1:1; toluene/ethanol/acetic acid 35:50:15; UV 254 nm, ninhydrin)	corresponds to reference material
Purity (TLC) (30 mg/mL in ACN/water 1:1; toluene/ethanol/acetic acid 35:50:15; UV 254 nm, ninhydrin)	≥ 99 area-%
Free AMC (30 mg/mL in DMF; toluene/acetone 5:1; UV 366 nm)	≤ 50 mg/kg
Specific Optical Rotation $[\alpha]_D$ (c=1 in DMF, 20°C)	-18.5 to -16.5
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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