



Product Specification

Product Name: Coelenterazine
Cat #: CZ
CAS #: 55779-48-1
Storage: Store at -20°C. Protect from light.

Test	Specifications
Color	Slightly brownish yellow to yellow orange
Form	Crystalline powder
Color of Solution (0.0125 mg/mL in methanol)	Orange to yellow to brown
Purity (TLC) (1mg/mL in methanol, chloroform/ methanol 85:15; UV 254nm)	≥95 area-%
UV (0.0125 mg/mL in methanol, lambda max 1)	431-435 nm
Molar Extinction Coefficient (0.0125 mg/mL in methanol, lambda max 1)	≥7800.0 L/(mol cm)
UV (0.0125 mg/mL in methanol, lambda max 2)	261-265 nm
Molar Extinction Coefficient (0.0125 mg/mL in methanol, lambda max 2)	≥20900 L/(mol cm)
Molar Extinction Coefficient (0.0125 mg/mL in methanol/ 0.1N HCl 9:1, at 281nm)	≥20300 L/(mol cm)
FT-IR Spectrum	Corresponds to reference spectrum
TLC (1 mg/mL methanol; chloroform/methanol 85:15; UV 254 nm)	Corresponds to reference material

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

Gold Biotechnology, Inc.

1328 Ashby Rd.

St. Louis, MO 63132

P: (314)890-8778

F: (314)890-0503

E: contactgoldbio86@goldbio.com



Product Specification

Product Name: Coelenterazine
Cat #: CZ
CAS #: 55779-48-1
Storage: Store at -20°C. Protect from light.

Test	Specifications
------	----------------

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

Gold Biotechnology, Inc.

1328 Ashby Rd.

St. Louis, MO 63132

P: (314)890-8778

F: (314)890-0503

E: contactgoldbio86@goldbio.com