

# Certificate of Analysis

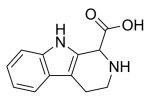
## 1,2,3,4-Tetrahydro- $\beta$ -carboline-1-carboxylic acid

Cat. No.:	HY-33169
CAS No.:	6649-91-8
Batch No.:	265401
Chemical Name:	1H-Pyrido[3,4-b]indole-1-carboxylic acid, 2,3,4,9-tetrahydro-

#### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{12}H_{12}N_2O_2$		
Molecular Weight:	216.24		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

#### **Chemical Structure:**



### ANALYTICAL DATA

Appearance:	Light brown to brown (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Purity (LCMS):	99.47%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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