

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB9899	
Compound name	MNI-DGG	
Chemical name	2,3-dihydro-4-methoxy-7-nitro-δ-oxo-1H-indole-1-γ-D-glutamylglycine	
Batch number	E1482-12-13	
Batch molecular formula	C ₁₆ H ₂₀ N ₄ O ₇	
Batch molecular weight	380.36	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.9%
NMR	¹ H NMR in D ₂ O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
TLC	TLC analysis in 20% NH ₃ /IPA shows one spot under ninhydrin with no detectable gamma-DGG	Meets specification: R _f =0.2
Physical appearance	Yellow solid	Meets specification: Pale yellow solid
Solubility	Soluble in water (1 mg/ml)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

10/03/2023

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.