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## Certificate of Analysis

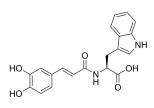
### Caffeoyltryptophan

Cat. No.:	HY-N10002
CAS No.:	109163-69-1
Batch No.:	354719
Chemical Name:	L-Tryptophan, N-[(2E)-3-(3,4-dihydroxyphenyl)-1-oxo-2-propen-1-yl]-

#### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>20</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	366.37
Storage:	4°C, protect from light
	* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)

**Chemical Structure:** 



#### **ANALYTICAL DATA**

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Purity (HPLC):	96.90%
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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