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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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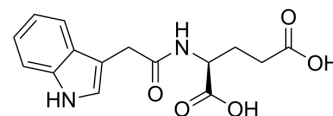
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Indole-3-acetyl glutamate

Cat. No.:	HY-W588263
CAS No.:	57105-48-3
Molecular Formula:	C ₁₅ H ₁₆ N ₂ O ₅
Molecular Weight:	304.3
Target:	Drug Derivative
Pathway:	Others
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (821.56 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2862 mL	16.4312 mL	32.8623 mL
	5 mM	0.6572 mL	3.2862 mL	6.5725 mL
	10 mM	0.3286 mL	1.6431 mL	3.2862 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Indole-3-acetyl glutamate (IAGlu) is a derivative of the plant hormone indole-3-acetic acid (IAA). As a conjugated form of IAA, Indole-3-acetyl glutamate involves in the transport, storage, and homeostatic regulation of IAA within the plant. Indole-3-acetyl glutamate can be used for research into the effects of plant hormones on the growth and development of plants^[1].

REFERENCES

[1]. Ostin A, et al. Metabolism of indole-3-acetic acid in Arabidopsis[J]. Plant physiology, 1998, 118(1): 285-296.

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

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