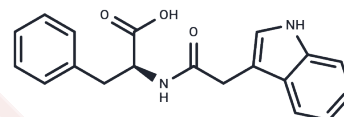


Indoleacetyl phenylalanine

Chemical Properties

CAS No. :	57105-50-7
Formula:	C ₁₉ H ₁₈ N ₂ O ₃
Molecular Weight:	322.36
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Indoleacetyl phenylalanine is an indole-3-acetyl-amino acid conjugate. It also involved in regulatory mechanisms for the control of auxin activity during physiological and pathophysiological responses.
Targets(IC50)	Amino Acids and Derivatives

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1021 mL	15.5106 mL	31.0212 mL
5 mM	0.6204 mL	3.1021 mL	6.2042 mL
10 mM	0.3102 mL	1.5511 mL	3.1021 mL
50 mM	0.062 mL	0.3102 mL	0.6204 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hangarter RP, Peterson MD, Good NE. Biological activities of indoleacetyl-amino acids and their use as auxins in tissue culture. *Plant Physiol.* 1980 May;65(5):761-7. PubMed PMID: 16661279; PubMed Central PMCID: PMC440421.

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