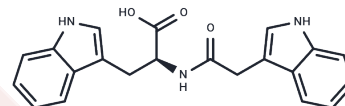


Tryptophan, N-indol-3-ylacetyl-

Chemical Properties

CAS No. :	57105-53-0
Formula:	C ₂₁ H ₁₉ N ₃ O ₃
Molecular Weight:	361.4
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tryptophan, N-indol-3-ylacetyl- (Indole-3-acetyl-L-tryptophan) is involved in regulatory mechanisms for the control of auxin activity during physiological and pathophysiological responses. It may also be used in the synthesis of β -D-galactosidase and β -D-glucosidase inhibitors.
Targets(IC50)	Glucosidase, glycosidase

Solubility Information

Solubility	DMSO: 250 mg/mL (691.75 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.767 mL	13.8351 mL	27.6702 mL
5 mM	0.5534 mL	2.767 mL	5.534 mL
10 mM	0.2767 mL	1.3835 mL	2.767 mL
50 mM	0.0553 mL	0.2767 mL	0.5534 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

Ostrowski M, et al. The auxin conjugate indole-3-acetyl-aspartate affects responses to cadmium and salt stress in *Pisum sativum* L. *J Plant Physiol.* 2016 Feb 1;191:63-72.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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