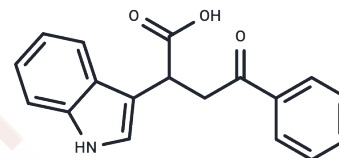


PEO-IAA

Chemical Properties

CAS No. :	6266-66-6
Formula:	C ₁₈ H ₁₅ NO ₃
Molecular Weight:	293.32
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	PEO-IAA (2-(1H-Indol-3-yl)-4-oxo-4-phenyl-butyric acid) is a novel potent auxin antagonist.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 150 mg/mL (511.39 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	3.4092 mL	17.0462 mL	34.0925 mL
5 mM	0.6818 mL	3.4092 mL	6.8185 mL
10 mM	0.3409 mL	1.7046 mL	3.4092 mL
50 mM	0.0682 mL	0.3409 mL	0.6818 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.

Reference

Takato S, Kakei Y, Mitsui M, Ishida Y, Suzuki M, Yamazaki C, Hayashi KI, Ishii T, Nakamura A, Soeno K, Shimada Y. Auxin signaling through SCF(TIR1/AFBs) mediates feedback regulation of IAA biosynthesis. Biosci Biotechnol Biochem. 2017 Apr 13:1-7.

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Tamaki H, Reguera M, Abdel-Tawab YM, Takebayashi Y, Kasahara H, Blumwald E. Targeting Hormone-Related Pathways to Improve Grain Yield in Rice: A Chemical Approach. PLoS One. 2015 Jun 22;10(6):e20131213.

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