# Data Sheet (Cat.No.T4834)



## Indole-3-acetamide

#### **Chemical Properties**

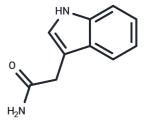
CAS No.: 879-37-8

Formula: C10H10N2O

Molecular Weight: 174.2

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## **Biological Description**

Description	1H-Indole-3-acetamide (3-Indolylacetamide), also known as auxin amide or 2-(3-indolyl)acetamide, belongs to the class of organic compounds known as 3-alkylindoles. Within the cell, 1H-indole-3-acetamide is primarily located in the cytoplasm. 1H-Indole-3-acetamide can be biosynthesized from acetamide. Outside of the human body, 1H-indole-3-acetamide can be found in a number of food items such as epazote, cowpea, passion fruit, and japanese persimmon. This makes 1H-indole-3-acetamide a potential biomarker for the consumption of these food products.
Targets(IC50)	Others, Endogenous Metabolite

#### **Solubility Information**

Solubility	DMSO: 60 mg/mL (344.43 mM),
	(< 1 mg/ml refers to the product slightly soluble or insoluble)

#### **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	5.7405 mL	28.7026 mL	57.4053 mL
5 mM	1.1481 mL	5.7405 mL	11.4811 mL
10 mM	0.5741 mL	2.8703 mL	5.7405 mL
50 mM	0.1148 mL	0.5741 mL	1.1481 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

Yannai S. Dictionary of Food Compouds Additives, Flavors, and Ingredients[J]. 2004.

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