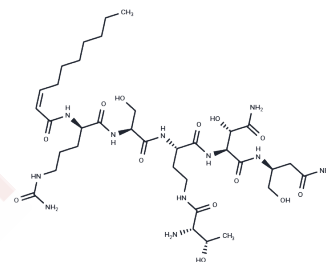


## Rotihibin A

## Chemical Properties

CAS No. :	142689-34-7
Formula:	C <sub>35</sub> H <sub>63</sub> N <sub>11</sub> O <sub>13</sub>
Molecular Weight:	845.953
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	Rotihibin A is a novel plant growth regulator.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1821 mL	5.9105 mL	11.821 mL
5 mM	0.2364 mL	1.1821 mL	2.3642 mL
10 mM	0.1182 mL	0.5911 mL	1.1821 mL
50 mM	0.0236 mL	0.1182 mL	0.2364 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

- Fukuchi N, Furihata K, Nakayama J, Goudo T, Takayama S, Isogai A, Suzuki A. Rotihibins, novel plant growth regulators from *Streptomyces graminofaciens*. *J Antibiot (Tokyo)*. 1995 Sep;48(9):1004-10. PubMed PMID: 7592044.
- Fukuchi N, Furihata K, Takayama S, Isogai A, Suzuki A. Rotihibin A, a novel plant growth regulator, from *Streptomyces* sp. *Biosci Biotechnol Biochem*. 1992 May;56(5):840-1. PubMed PMID: 1368346.

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