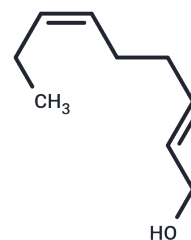


(Z)-3-Hexenyl isovalerate

Chemical Properties

CAS No. :	35154-45-1
Formula:	C ₁₁ H ₂₀ O ₂
Molecular Weight:	184.28
Storage:	Store at 4°C Actual storage temperature shall be subject to the COA.



Biological Description

Description	(Z)-3-Hexenyl isovalerate ((3Z)-3-Hexen-1-yl 3-methylbutanoate) is a RIFM fragrance and one of the aroma components in Xinyang Maojian.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 100 mg/mL (542.65 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	5.4265 mL	27.1326 mL	54.2652 mL
5 mM	1.0853 mL	5.4265 mL	10.853 mL
10 mM	0.5427 mL	2.7133 mL	5.4265 mL
50 mM	0.1085 mL	0.5427 mL	1.0853 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

- Koeda S, et al. Expression of alcohol acyltransferase is a potential determinant of fruit volatile ester variations in *Capsicum*. *Plant Cell Rep.* 2023 Nov;42(11):1745-1756.
- Ling, J., et al. Volatile metabolites of willows determining host discrimination by adult *Plagioderma versicolora*. *J. For. Res.* 33, 679-687 (2022).

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