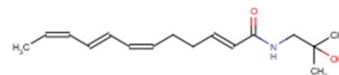


## Hydroxy-Epsilon-Sanshool

## Chemical Properties

CAS No.:	252193-26-3
Formula:	C <sub>16</sub> H <sub>25</sub> NO <sub>2</sub>
Molecular Weight:	263.38
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Hydroxy-Epsilon-Sanshool is an alkyl amide isolated from Zanthoxylum bungeanum. Hydroxy-Epsilon-Sanshool produces key tingling and numbing chemosensation.
Targets(IC <sub>50</sub> )	Others: None

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.797 mL	18.984 mL	37.968 mL
5 mM	0.759 mL	3.797 mL	7.594 mL
10 mM	0.38 mL	1.898 mL	3.797 mL
50 mM	0.076 mL	0.38 mL	0.759 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Zhang LL, et al. The relationship between alkylamide compound content and pungency intensity of Zanthoxylum bungeanum based on sensory evaluation and ultra-performance liquid chromatography-mass spectrometry/ mass spectrometry (UPLC-MS/MS) analysis. J Sci Food Agric. 2019 Mar 15;99(4):1475-1483.
2. Bader M, et al. All-trans-configuration in Zanthoxylum alkylamides swaps the tingling with a numbing sensation and diminishes salivation. J Agric Food Chem. 2014 Mar 26;62(12):2479-88.

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481