

Hydroxy- $\alpha$ -sanshool**Chemical Properties**

CAS No.:	83883-10-7
Formula:	C <sub>16</sub> H <sub>25</sub> NO <sub>2</sub>
Molecular Weight:	263.37
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Targets(IC <sub>50</sub> )	TRPA1: 69 $\mu$ M (EC <sub>50</sub> ) TRPV1: 1.1 $\mu$ M (EC <sub>50</sub> )
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**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	18.985 mL	37.969 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. Koo JY, et al. Compounds from Sichuan and Melegueta peppers activate, covalently and non-covalently, TRPA1 and TRPV1 channels. *Br J Pharmacol.* 2009 Aug;157(8):1398-409.

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