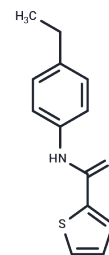


OX1a

## Chemical Properties

CAS No. : 136340-88-0  
 Formula: C<sub>13</sub>H<sub>13</sub>NOS  
 Molecular Weight: 231.31  
 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	OX1a is an orco antagonist agent which acts as a non-competitive inhibitor of odorant activation of an insect OR.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3232 mL	21.616 mL	43.232 mL
5 mM	0.8646 mL	4.3232 mL	8.6464 mL
10 mM	0.4323 mL	2.1616 mL	4.3232 mL
50 mM	0.0865 mL	0.4323 mL	0.8646 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

Chen S, Luetje CW. Phenylthiophenecarboxamide antagonists of the olfactory receptor co-receptor subunit from a mosquito. PLoS One. 2013 Dec 17;8(12):e84575. doi: 10.1371/journal.pone.0084575. eCollection 2013. PubMed PMID: 24358366; PubMed Central PMCID: PMC3866151.

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