

## Product Datasheet

### Thiacloprid (Standard) (orb3140173)

<b>Catalog Number</b>	orb3140173
<b>Category</b>	Small Molecules
<b>Description</b>	Thiacloprid (Standard) is the standard substance of Thiacloprid, and it is applicable for quantitative analysis, quality control, and related research in biochemical experiments. Thiacloprid, a chloronicotinyl insecticide, acts as a selective agonist at insect nAChRs. The IC50 values are 2.7 and 860 nM for Drosophila AChRs and M10 mouse fibroblast cells expressing $\alpha 4\beta 2$ subunit-containing nAChRs, respectively.
<b>MW</b>	252.72
<b>CAS Number</b>	111988-49-9
<b>Formula</b>	C <sub>10</sub> H <sub>9</sub> ClN <sub>4</sub> S
<b>SMILES</b>	Clc1ccc(CN2CCS\C2=N/C#N)cn1
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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