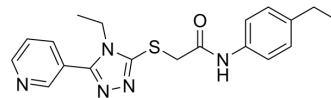


## VUAA1

Cat. No.:	HY-125982
CAS No.:	525582-84-7
Molecular Formula:	C <sub>19</sub> H <sub>21</sub> N <sub>5</sub> OS
Molecular Weight:	367.47
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	VUAA1 is an insect odorant co-receptor (Orco) agonist. VUAA1 activates both heteromeric and homomeric Orco-containing channels. VUAA1 can disrupt the destructive behaviors of nuisance insects. VUAA1 can be used for insect olfactory research [1][2].
IC <sub>50</sub> & Target	odorant co-receptor <sup>[1]</sup> .

### REFERENCES

[1]. Corcoran JA, et al. Endogenous insensitivity to the Orco agonist VUAA1 reveals novel olfactory receptor complex properties in the specialist fly *Mayetiola destructor*. *Sci Rep.* 2018 Feb 22;8(1):3489.

[2]. Jones PL, et al. Functional agonism of insect odorant receptor ion channels. *Proc Natl Acad Sci U S A.* 2011 May 24;108(21):8821-5.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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