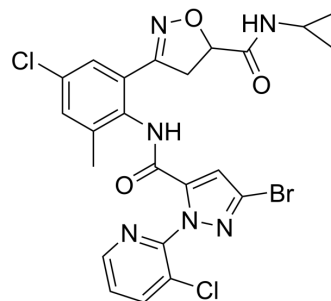


## RyRs activator 3

Cat. No.:	HY-156082
CAS No.:	2850333-35-4
Molecular Formula:	C <sub>23</sub> H <sub>19</sub> BrCl <sub>2</sub> N <sub>6</sub> O <sub>3</sub>
Molecular Weight:	578.25
Target:	Parasite; Calcium Channel
Pathway:	Anti-infection; Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	RyRs activator 3 (compound A4) is an effective insecticide against diamondback moths ( <i>M. separata</i> ) and diamondback moths ( <i>P. xylostella</i> ). The LC <sub>50</sub> value of RyRs activator 3 against diamondback moth is 3.27 mg/L. RyRs activator 3 can bind to ryanodine receptor, increase cytoplasmic Ca <sup>2+</sup> concentration, and produce biological toxicity <sup>[1]</sup> .
IC <sub>50</sub> & Target	Ryanodine receptor <sup>[1]</sup>

### REFERENCES

[1]. Pang X, et al. Design, Synthesis, and Insecticidal Evaluation of N-Pyridylpyrazole Amide Derivatives Containing 4,5-Dihydroisoxazole Amide as Potential Ryanodine Receptor Activators. *J Agric Food Chem.* 2023 Sep 20;71(37):13688-13695. .

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

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