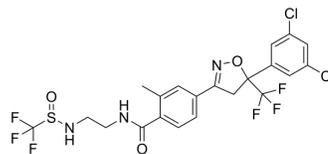


GABA receptor Antagonist 1

Cat. No.:	HY-156339
Molecular Formula:	C ₂₁ H ₁₇ Cl ₂ F ₆ N ₃ O ₃ S
Molecular Weight:	576.34
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

GABA receptor Antagonist 1 (compound 7w) inhibits P_x RDL1 GABAR with an IC₅₀ value of 7.08 nmol/L. GABA receptor Antagonist 1 shows insecticide activity against *P. xylostella*, *S. frugiperda*, *S. exigua*, and *S. litura*, with LC₅₀ of 0.09, 0.84, 0.87, and 0.68 mg/L respectively. GABA receptor Antagonist 1 shows a medium toxicity to honeybee (48 h, ID₅₀ = 2.22 μg/adult), and low toxicity to zebrafish (LC₅₀: 42.4 mg/L)^[1].

REFERENCES

[1]. Yang S, et al. Rational Design of Insecticidal Isoxazolines Containing Sulfonamide or Sulfinamide Structure as Antagonists of GABA Receptors with Reduced Toxicities to Honeybee and Zebrafish. *J Agric Food Chem.* 2023 Oct 4;71(39):14211-14220.

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

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