

Product Name	: Fluxametamide
Synonyms	: —
Cat No.	: M24981
CAS Number	: 928783-29-3
Molecular Formula	: C ₂₀ H ₁₆ Cl ₂ F ₃ N ₃ O ₃
Formula Weight	: 474.3
Chemical Name	: —
Description	Fluxametamide is a novel isoxazoline insecticide that acts via distinctive antagonism of insect ligand-gated chloride channels, acts as an antagonist of GABA- and glutamate-gated chloride channels (IC ₅₀ of 1.95 nM and 225 nM for M. domestica GABACls and GluClIs).
Pathway	: Membrane Transporter/Ion Channel
Target	: Other Targets
Receptor	: GABA
Solubility	: DMSO: 125 mg/mL (263.57 mM; Need ultrasonic); H ₂ O: < 0.1 mg/mL (insoluble)
SMILES	: <chem>CC1=C(C=CC(=C1)C2=NOC(C2)(C3=CC(=CC(=C3)Cl)Cl)C(F)(F)F)C(=O)N/C=N/OC</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Miho Asahi, et al. Fluxametamide: A novel isoxazoline insecticide that acts via distinctive antagonism of insect ligand-gated chloride channels. Pesticide Biochemistry and Physiology.