

Product Name	: Clothianidin
Synonyms	: TI 435; TI435; TI-435; Celero; Clothianidin
Cat No.	: M23958
CAS Number	: 210880-92-5
Molecular Formula	: C ₆ H ₈ ClN ₅ O ₂ S
Formula Weight	: 249.7
Chemical Name	: —
Description	: Clothianidin, an insecticide, acts as an agonist of acetylcholine to stimulate nAChR, thereby activating post-synaptic acetylcholine receptors but not inhibiting AChE.
Pathway	: Endocrinology/Hormones
Target	: AChR
Receptor	: nAChR
Solubility	: DMSO:Soluble
SMILES	: O=[N+](N/C(NCC1=CN=C(Cl)S1)=NC)[O-]
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Montiel-León JM, Munoz G, Vo Duy S, Do DT, Vaudreuil MA, Goeury K, Guillemette F, Amyot M, Sauvé S. Widespread occurrence and spatial distribution of glyphosate, atrazine, and neonicotinoids pesticides in the St. Lawrence and tributary rivers. Environ Pollut. 2019 Apr 2;250:29-39.