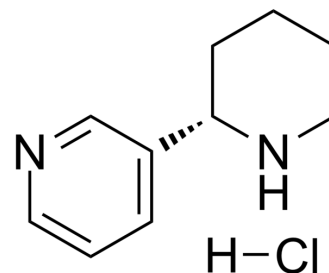


Anabasine hydrochloride

Cat. No.:	HY-W014928
CAS No.:	53912-89-3
Molecular Formula:	C ₁₀ H ₁₅ ClN ₂
Molecular Weight:	198.69
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anabasine ((S)-Anabasine) hydrochloride is an alkaloid that found as a minor component in tobacco (Nicotiana). Anabasine is a botanical pesticide nicotine, acts as a full agonist of nicotinic acetylcholine receptors (nAChRs). Anabasine induces depolarization of TE671 cells endogenously expressing human fetal muscle-type nAChRs (EC ₅₀ =0.7 μM) ^{[1][2]} .
IC ₅₀ & Target	nAChR ^[1]

REFERENCES

- [1]. Green BT, et, al. Actions of piperidine alkaloid teratogens at fetal nicotinic acetylcholine receptors. Neurotoxicol Teratol. May-Jun 2010; 32(3): 383-90.
- [2]. Palmer-Young EC, et, al. Context-dependent medicinal effects of anabasine and infection-dependent toxicity in bumble bees. PLoS One. 2017 Aug 23; 12(8): e0183729.

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

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