

Anabasine

Cat. No. ALK-0072

Lot. No. (See product label)

Product Name

Anabasine

CAS No.

494-52-0

Synonyms

(S)-Anabasine; (+)-Anabasine

Description

Anabasine ((S)-Anabasine) 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 (EC50=0.7 μ M).

Structural Formula

Anabasine

MW

162.23

MF

C10H14N2

Purity

0.9987

Appearance

Liquid

Solubility

DMSO : 100 mg/mL(616.41 mM;Need ultrasonic)

Source

Plants >Solanaceae > Nicotiana tabacumL.

IC50 & Target

Microbial Metabolite

Shipping

Room temperature in continental US; may vary elsewhere.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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SMILES

C1([C@H]2NCCCC2)=CC=CN=C1

In Vivo

Anabasine significantly reverses the impairment at the 0.2 mg/kg (p

Storage

4°C, protect from light

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