

Ifenprodil tartrate

Cat. No. ALK-0068

Lot. No. (See product label)



Product Name

Ifenprodil tartrate

CAS No.

23210-58-4

Description

Ifenprodil tartrate is a typical noncompetitive NMDA receptor antagonist. Ifenprodil tartrate exerts high affinity at NR1A/NR2B receptors (IC₅₀=0.34 μM) over 400-fold than at NR1A/NR2A receptors (IC₅₀=146 μM). Ifenprodil tartrate inhibits GIRK (Kir3), reduces inward currents through the basal GIRK activity. Ifenprodil tartrate has the potential to be a cerebral vasodilator.

Structural Formula

Ifenprodil tartrate

MW

400.49

MF

C₂₅H₃₃N₀O₈

Purity

0.9995

Appearance

Solid

Solubility

DMSO : ≥ 500 mg/mL(1248.47 mM) H₂O : 5 mg/mL(12.48 mM;Need ultrasonic)

Source

Plants >Crassulaceae > Sedum sarmentosumBunge

IC₅₀ & Target

Topoisomerase I

Shipping

Room temperature in continental US; may vary elsewhere.

SMILES

OC(C1=CC=C(O)C=C1)C(C)N(CC2)CCC2CC3=CC=CC=C3.O=C(O)[C@H](O)[C@@H](O)C(O)=O.[1/2]

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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In Vitro

G protein-activated inwardly rectifying K⁺ channels (GIRK).

Storage

4°C, sealed storage, away from moisture

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