



Phencyclidine (BDI970): sc-57969

BACKGROUND

Phencyclidine, a contraction of the chemical name phenylcyclohexylpiperidine, also abbreviated PCP, is a dissociative drug that was previously used as an anesthetic agent, exhibiting hallucinogenic and neurotoxic effects. It functions mainly as an agonist to the N-methyl-D-Aspartate (NMDA) receptor, causing prolonged depolarization of the neuron and effectively blocking the activity of the NMDA receptor. A schedule II drug, Phencyclidine may cause a certain type of brain damage, known as Olney's lesions. Phencyclidine has a molecular weight of 243.387 g/mol, and although the main psychoactive effects of the drug only last hours, total elimination from the body is prolonged, usually extending over weeks.

REFERENCES

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SOURCE

Phencyclidine (BDI970) is a mouse monoclonal antibody raised against Phencyclidine conjugated to BSA.

PRODUCT

Each vial contains 100 µg IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Phencyclidine (BDI970) is recommended for detection of Phencyclidine by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.