



Cyanazine (HYB269-01): sc-57694

BACKGROUND

Cyanazine is a member of the s-triazine chemical family and is used as an herbicide for pre- and post-emergent to control annual grasses and broadleaf weeds. The roots of the affected plants absorb Cyanazine, which is then translocated into the leaves where it functions by inhibiting photosynthesis. Cyanazine is an odorless, white, crystalline solid that is incompatible with metals and has a molecular weight of 240.73 g/mol. Cyanazine is quickly degraded in many soil types mainly due to the action of microbes, but it can withstand both hydrolysis and photolysis. A wide range of birth defects are caused by Cyanazine, including incomplete bone development, cleft palates, abnormalities in diaphragm development and changes in the brain. Other effects of Cyanazine in animals include the depression of the central nervous system, increased liver weights and decreased body weight gain.

REFERENCES

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SOURCE

Cyanazine (HYB269-01) is a mouse monoclonal antibody raised against Cyanazine-derivative coupled to carrier protein.

PRODUCT

Each vial contains 100 µg IgG_{2a} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Cyanazine (HYB269-01) is recommended for detection of Cyanazine 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.