BACKGROUND

Lipoic Acid, also known as α-lipoic acid, is an organic sulfur-containing fatty acid that consists of a cyclic disulfide and a carboxylic acid. The conjugate base of Lipoic Acid, namely Lipoate, is present under most physiological conditions and, like Lipoic Acid, is essential for aerobic life, participating in various transfer reactions within the pyruvate dehydrogenase complex. Via its essential role in metabolism, Lipoic Acid is thought to function as a neuroprotective agent and an anti-inflammatory compound, providing effective treatment for Alzheimer’s disease, Parkinson’s disease and multiple sclerosis. Additionally, Lipoic Acid can be used to treat mercury intoxication, as its two thiol groups provide strong chelating activity. Lipoic Acid is a common dietary supplement that is found in a variety of foods, including spinach, potatoes and broccoli, as well as liver, heart and kidney meat.

REFERENCES


SOURCE

Lipoic Acid (13C5) is a mouse monoclonal antibody raised against Lipoic Acid.

PRODUCT

Each vial contains 50 µg IgM in 500 µl of PBS with < 0.1% sodium azide and 0.1% gelatin.

PROTOCOLS

See our website at www.scbt.com or our catalog for detailed protocols and support products.