

Kynurenic acid

Catalog No.: AR05206PU-L

Quantity: 1 mg

Concentration: 1.0mg/ml

Background: Kynurenic acid is a product of the normal metabolism of amino acid L-tryptophan. It is formed from L-kynurenine, a reaction catalyzed by the enzyme kynurenine-oxoglutarate transaminase. It has been shown that kynurenic acid possesses neuroactive activity. It acts as an antiexcitotoxic and anticonvulsant, most likely through acting as an antagonist at excitatory amino acid receptors. Because of this activity, it may influence important neurophysiologic and neuropathologic processes. As a result, kynurenic acid has been considered for use in therapy in certain neurobiological disorders. High levels of kynurenic acid have been identified in human urine in certain metabolic disorders, such as marked pyridoxine deficiency and deficiency/absence of kynureninase.

Format: **State:** Lyophilised purified protein
Reconstitution: 1.0ml distilled water containing 0.1% merthiolate

Applications: Immunohistochemistry on frozen and paraffin sections.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: Kynurenic Acid-BSA Conjugate.

Storage: Prior to and following reconstitution store the protein at -20°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.