

Helix pomatia Agglutinin

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description

Helix pomatia Agglutinin is a lectin discovered in the reproductive gland of the Roman snail and binds specifically to N-acetylgalactosamine (GalNAc). It exhibits high affinity for steroid hormones, specifically testosterone and progesterone, with a dissociation constant (KD) of 1.9-2.4 μ M. Additionally, it interacts with adenine (KD = 5.4 μ M) and 2-(p-toluidino)naphthalene-6-sulfonic acid (TNS) with a KD of 12 μ M. This compound is frequently utilized in the characterization, imaging, or targeting of glyco-conjugates, making it an invaluable asset in glycomics analysis. It is also applicable in cancer prognosis research.

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