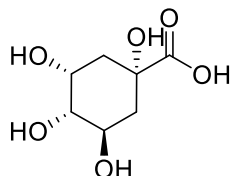


## D-Quinic acid

Code No.: **BIA-Q2408**

Pack sizes: **25 mg, 100 mg**



Synonyms : (-)-Quinic acid, D-Quinic acid, Quinic acid

## Specifications

CAS #	: 77-95-2
Molecular Formula	: C <sub>7</sub> H <sub>12</sub> O <sub>6</sub>
Molecular Weight	: 192.17
Source	: <i>Cinchona</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

## Application Notes

D-Quinic acid is a crystalline acid with an astringent flavor obtained from cinchona bark, coffee beans, tobacco leaves, carrot leaves, fruits and vegetables. D-Quinic acid is an intermediate in fine chemical and drug production and is a useful scaffold for chiral syntheses. D-Quinic acid has inherent biological activity as a neuroprotectant.

## References

1. Quinic acid as versatile chiral scaffold in organic synthesis. Mulzer J. et al. *Curr Org Chem.* 2008, 1218, 1613.
2. Neuroprotective effects of D-(-)-quinic acid on aluminum chloride-induced dementia in rats. Liu L. et al. *Evidence-Based Complementary Alternative Med.* 2020, 560259.