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The gas nitric oxide NO has burst upon neuroscience only recently, and yet it has permeated into almost every avenue of current research. The unique Nitric oxide in the central nervous system: neuroprotection. - Nature Nitric oxide has been shown to be involved in both the central and peripheral nervous system. Of the three types of enzyme that produce nitric oxide in humans, Nitric oxide in the central nervous system. - Semantic Scholar Some motor neurons of the parasympathetic branch of the autonomic nervous system release NO as their.