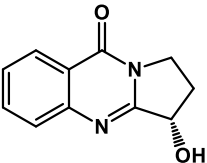


Vasicinone

Name of the Phytochemical	Vasicinone
Chemical Structure	
Botanical Source	Adhatoda vasica
CAS Number	486-64-6
Functional Activity	<ul style="list-style-type: none"> Both the alkaloids Vasicine and Vasicinone in combination (1:1) showed pronounced bronchodilatory activity in vivo and in vitro. Vasicine acetate showed antimycobacterial activity. <i>In vivo</i>, vasicine (0.2 mg/kg) reduces lipid peroxidation, increases activity of the antioxidases superoxide dismutase (SOD), catalase (CAT), and glutathione (GSH) peroxidase (Gpx), and increases levels of GSH in lung in a rat model of toxin-induced asthma A potential natural cholinesterase inhibitor, exhibited promising anticholinesterase activity in preclinical models and has been in development for treatment of Alzheimer's disease.
Key References	<ol style="list-style-type: none"> Antimycobacterial activity of two natural alkaloids, vasicine acetate and 2-acetyl benzyl amine, isolated from Indian shrub <i>Adhatoda vasica</i>, Journal of Biosciences. 2010, 35, 565–570 Potent uterine activity of alkaloid vasicine, Indian Journal of Medical Research, 1977, 66, 865–871 In Vitro and In Vivo Metabolism and Inhibitory Activities of Vasicine, a Potent Acetyl cholinesterase and Butyrylcholinesterase Inhibitor, Plos One, 2015, April 7 Vasicine and structurally related quinazolines, Medicinal Chemistry Research, 2012, 22, 1–15