# Quaternary isoquinoline alkaloids from Xylopia parviflora.

**Abstract:**

From the quaternary alkaloidal fraction of the bark and the root of Xylopia parviflora (Annonaceae), four isoquinoline alkaloids, xylopinidine, dehydrocoreximine, N, N-dimethylanomurine and N-methylphoebine were isolated along with the known compounds, pycnarrhine, lotusine, 6,7-dimethoxy-2-methyl-isoquinolinium salt, 1,2-dehydroreticuline, (-)-phellodendrine, (+)-tembetarine, (-)-litcubine, (+)-magnoflorine, tetradehydroreticuline, (-)-oblongine, (+)-menisperine, (+)-N-methylcorydine, stepharanine, (+)-xanthoplanine, dehydrodiscretine, jatrorrhizine and palmatine. 3,4-Dihydro-6,7-dimethoxy-2-methyl-isoquinolinium and N-methylpurpuerine were isolated as natural products for the first time. Their structures were determined on the basis of spectroscopic evidence