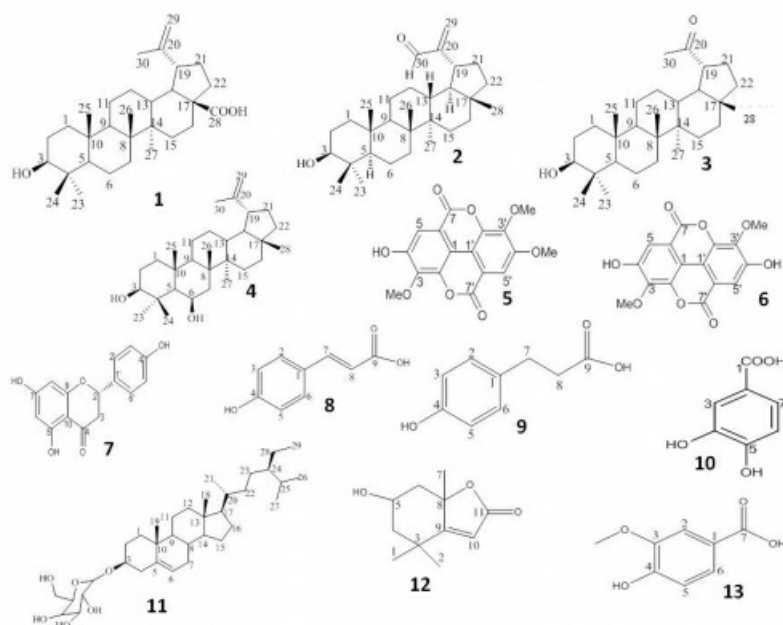


Structure elucidation of isolated compounds from *Anogeissus rivularis* by XRDMd Anwar Hosen¹, Chutima Kuhakarn², Vichai Reutrakul², Nilufar Nahar¹, Rausan Zamir³¹Department Of Chemistry, University Of Dhaka, Dhaka, Bangladesh, ²Department of Chemistry, Mahidol University, Bangkok, Thailand, ³Daffodill International University, Dhaka, Bangladesh
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Bioassay-guided chemical investigation of leaves and twigs of *Anogeissus rivularis* has led to the isolation of four new compounds, together with thirteen known compounds, namely Betulinic acid (1), 3 β -hydroxy-20(29)-en-lupan-30-al(2), 29-Nor-20-oxolupeol(3), 3 β ,6 β -Dihydroxylup-20(29)-ene(4), Ellagicacid derivatives (3,3',4'-tri-O-methylellagic acid)(5), Ellagicacid derivatives (3,3'-di-O-methylellagic acid)(6), (S)-Naringeni (4',5,7-trihydroxyflavanone)(7), p-Cumaric acid ((E)-3-(4-hydroxyphenyl)-2-propenoic acid)(8), Phloretic acid (3-(4-hydroxyphenyl)-propanoic acid)(9), Protocatechuic acid (3,4-Dihydroxybenzoic acid)(10), Stigmast-5-en-3-O- β -glucoside(11), Loliolide(12), Vanillic acid (3-methoxy 4-hydroxybenzoic acid)(13). The structure of this compounds elucidate by NMR & single Cristal X-ray Diffractometer. Selected compounds with sufficient quantity were tested for cytotoxic and Anti HIV-1 RT activities.



Keywords: [Structure elucidation](#), [Isolation](#), [Anogeissus rivularis](#)