

Abstract

The structures of two new isoflavonoids from the combined ethyl acetate/methanolic extracts of the stem bark of *Bolusanthus speciosus* have been established as 4,7,2'-trihydroxy-4'-methoxyisoflavanol (1) and 5,7,3',4'-tetrahydroxy-5'-(2-epoxy-3-methylbutyl)isoflavanone (2). Five other known isoflavonoids, 5,7,3'-trihydroxy-4'-methoxy-5'- γ ; -dimethylallylisoflavanone, 5,7,2'-trihydroxy-4'-methoxy-6,5'-di(γ -dimethylallyl)isoflavanone, 5,7,2',4'-tetrahydroxy-8,5'2; -di(γ -dimethylallyl)flavanone, 5,7,2',4'-tetrahydroxy-8,3'-di(γ -dimethylallyl)-isoflavanone, and derrone were also isolated. Compound 2 showed moderate activity against gram positive bacteria and weak activity against gram negative bacteria, while compound 1 was weakly active against both organisms in a TLC bioautography assay.