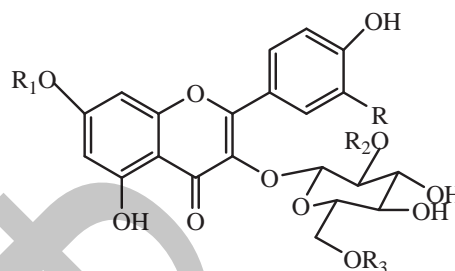


Constituents

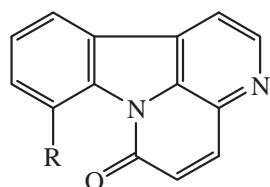
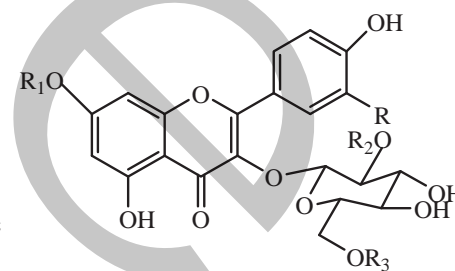
The isolation of 13 flavonoid glycosides (**78-90**) based on kaempferol, quercetin and isorhamnetin, has been reported (*viz.* kaempferol 3-*O*-{[2-*O*- α -L-rhamnopyranosyl-4-*O*- β -D-glucopyranosyl]- β -D-glucopyranoside}, (**87**), isorhamnetin 3-*O*-{[2-*O*- α -L-rhamnopyranosyl-6-*O*- β -D-glucopyranosyl]- β -D-glucopyranoside}, (**88**), isorhamnetin 3-*O*-{[2-*O*- α -L-rhamnopyranosyl-6-*O*- β -D-glucopyranosyl]- β -D-D-glucopyranoside} (**89**) and isorhamnetin 3-*O*-{[2-*O*- α -L-rhamnopyranosyl-6-*O*- β -D-gentiobiosyl]- β -D-glucopyranoside} (**90**). (Carotenuto *et al.*, 1997a)

O'Donnell and Gibbons (2007) reported the isolation of two alkaloids *viz.* canthin 6-one (**91**) and 8-hydroxy-canthin-6-one (**92**) in addition to 5 ξ -hydroxy-octadeca-6(*E*)-8 (*Z*)-dienoic acid (**93**) from the bulbs of the plant.

	R	R ₁	R ₂	R ₃
78	H	H	H	H
79	OH	H	H	H
80	OMe	H	H	H
81	OH	H	α -Rhe	H
82	OMe	H	H	β -Glc
83	H	β -Glc	α -Rhe	H
84	H	β -Glc(1 \rightarrow 2)	β * \oplus	H
85	OH	β -Glc(1 \rightarrow 2)	β * \oplus	H
86	OMe	β -Glc	H	β -Glc

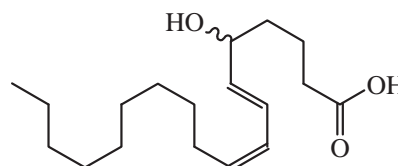


	R	R ₁	R ₂	R ₃
87	H	H	β -Glc	H
88	OMe	H	H	β -Glc
89	OMe	β -Glc	H	β -Glc
90	OMe	H	H	β -Glc (1 \rightarrow 2) β -Glc



91 Canthin-6-one R=H

92 8-Hydroxy-canthin-6-one R=OH



93 5(Z) Hydroxy-octadeca-6(E)-8(Z)- dienoc acid