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### Isoquinoline Alkaloid, Flavonoids And A Triol From Leaves of *Annona Cherimola*

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#### ABSTRACT

One new isoquinoline alkaloid (**1**), three quercetin glycosides (**2-4**) and a triol (**5**) were isolated from the methanol extract of leaves of *Annona cherimola*. Quercetin glycosides and a triol were first time reported from this plant. The structures were confirmed by <sup>1</sup>H, <sup>13</sup>C, 2D NMR spectroscopy and mass spectral data. Compounds **2-4** are found showing prominent antioxidant activity against superoxide radical, DPPH, FRAP, ABTS and moderate anti-inflammatory activity against 5-LOX. The IC<sub>50</sub> values of compounds **1-4** are 24.29, 5.98, 9.11, 2.87 μg mL<sup>-1</sup> respectively against DPPH radical showing high antioxidant activity of compound **4**.

**Keywords:** *Annona cherimola*, spectral studies, anti-oxidant and anti-inflammatory activities, *in vitro* studies.

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