## ABSTRACT

A coix seed oil comprising 13 glycerides extracted from coix seeds, formulation and application thereof. The coix seed oil comprises the following 5 diglyceride components and 8 triglyceride components (calculated by mass percentage): 1,3-dioleate diglyceride (0.40-0.58%), 1-linoleate-3-oleate diglyceride (0.91-1.31%), 1,2-dioleate diglyceride (0.24-0.35%), 1-oleate-2-linoleate diglyceride (0.66-0.95%), 1,2-linoleate diglyceride (0.33-0.47%), glyceryl trilinoleate (4.87-6.99%), glyceryl 1-oleate-2,3-dilinoleate (13.00-18.69%), glyceryl 1-palmitate-2,3-dilinoleate (5.25-7.54%), glyceryl1,3-dioleate-2-linoleate (13.23-19.02%), glyceryl 1-palmitate-2-linoleate-3-oleate (10.26-14.75%), glyceryl 1,3-dipalmitate-2-linoleate (2.28-3.28%), glyceryl trioleate (14.44-20.76%), and glyceryl 1-palmitate-2,3-dioleate (8.06-11.58%). The coix seed oil can be used in anti-tumour medicine, or in medicine to treat inflammation.