(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211043808 A

(19) INDIA

(22) Date of filing of Application :31/07/2022

(43) Publication Date : 26/08/2022

(54) Title of the invention : APOPTOSIS INDUCING COMPOSITION COMPRISING TRIAZOLOTHIAZOLYL-TRIAZOLE DERIVATIVE OF BENZENESULFONAMIDE2.

 (51) International classification (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date 	:C07D0471040000, A61K0031560000, C07D0209120000, C07D0413100000, C07D0209820000 :NA :NA :NA : NA :NA :NA :NA :NA	 (71)Name of Applicant : 1)Kurukshetra University Address of Applicant :Kurukshetra-136119, Haryana Kurukshetra Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Professor Pawan Kumar Sharma Address of Applicant :Department of Chemistry, Kurukshetra University, Kurukshetra-136119, Haryana, INDIA Kurukshetra 2)Lalit Vats Address of Applicant :Department of Chemistry, Kurukshetra University, Kurukshetra-136119, Haryana, INDIA Kurukshetra 3)Dr. Jitender Kumar Bhardwaj Address of Applicant :Reproductive Physiology Laboratory, Department of Zoology, Kurukshetra

(57) Abstract :

The present invention relates to a novel apoptosis inducing composition comprising: a triazolothiazolyl-triazole derivative of benzenesulfonamide, wherein the triazolothiazolyl-triazole derivative of benzenesulfonamide comprises a combination of: (a) triazolothiazole moiety; (b) triazole moiety; and (c) benzenesulfonamide moiety; and wherein the triazole moiety is substituted by a phenyl- (C6H5) group; and wherein the triazolothiazole moiety is substituted by a phenyl- (C6H5) group; and wherein the triazolothiazole moiety is substituted by a phenyl- (C6H5) group; and wherein the triazolothiazole moiety is substituted by a phenyl ring provided with fluoro- (-F) group in a para- position, and a pharmaceutical composition thereof, and having a structural Formula-I: Formula-I In one embodiment, the present invention relates to method of using apoptosis inducing composition comprising the riazolothiazolyl-triazole derivative of benzenesulfonamide of the present invention for the treatment of cancer.

No. of Pages : 16 No. of Claims : 5