

(54) Title of the invention : DEVELOPMENT OF 2-(BROMOSUBSTITUTED ARYLAMINO)-4-ARYLTHIAZOLES AS NEW ANTI-LUNG CANCER AGENTS

(51) International classification :A61P0035000000, A61P0043000000, C07K0016440000, A61K0051080000, A61K0031167000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The present invention discloses the anticancer screening of the new compounds of 2-(Bromosubstituted arylamino)-4-arylthiazoles against lung (A549) cancer cell line. All the compounds inhibited the proliferation of A549 cells in concentration dependent manner. The compound 2c showed the highest anti-proliferative activity against the lung cancer cells with IC50 value 64.90 ± 5.7 µM followed by 1f, 2b, 2d, and 3b with less than 100 µM IC50 values.

No. of Pages : 15 No. of Claims : 4