Articles excluded (title and abstract)

(n = 8026)

Articles screened

(n = 9394)

Articles excluded (full-text assessment)

(n=815)

Not available in English (n = 6)

No original results (n = 5)

β-amyloid structure unknown (n = 108)

Not using SHSY-5Y cells (n = 266)

β-amyloid not between 37 and 43 amino acids (n = 226)

No adequate control group (n = 63)

No measure of toxicity (n = 136)

Retracted (n = 3)

No full-text available (n = 2)

Articles assessed for eligibility

(n = 1365)

**Screening**

Data extracted from MTT assay and analogues

n = 426 articles

n = 1617 comparisons

Comparisons excluded before data extraction:

Other toxicity measures (n = 1179)

Selected for inclusion

n = 553 articles

n = 2565 comparisons

Comparisons excluded after data extraction:

Missing sample size (n = 190)

Missing means or variation (n = 227)

Articles included

n = 364

Comparisons included

n = 1200

**Data extraction**

**Included**

*Based on:*  Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. BMJ 2021;372:n71. doi: 10.1136/bmj.n71

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