# Appendix 1 Literature search strategy

**1.Pubmed**

|  |  |
| --- | --- |
| Search number | Query |
| #1 | doxofylline[Supplementary Concept] |
| #2 | (((doxofylline[Title/Abstract]) OR (doxofylline[Title/Abstract])) OR (TMDO[Title/Abstract])) OR (2-(7'-theophyllinemethyl)1,3-dioxolane[Title/Abstract]) |
| #3 | (doxofylline[Supplementary Concept]) OR ((((doxofylline[Title/Abstract]) OR (doxophylline[Title/Abstract])) OR (TMDO[Title/Abstract])) OR (2-(7'-theophyllinemethyl)1,3-dioxolane[Title/Abstract])) |
| #4 | bronchial asthma[MeSH Terms] |
| #5 | ((((bronchial asthma[Title/Abstract]) OR (Asthma[Title/Abstract])) OR (Asthmas[Title/Abstract])) OR (Asthma, Bronchial[Title/Abstract])) OR (lung allergy[Title/Abstract]) |
| #6 | (bronchial asthma[MeSH Terms]) OR (((((bronchial asthma[Title/Abstract]) OR (Asthma[Title/Abstract])) OR (Asthmas[Title/Abstract])) OR (Asthma, Bronchial[Title/Abstract])) OR (lung allergy[Title/Abstract])) |
| #7 | ((bronchial asthma[MeSH Terms]) OR (((((bronchial asthma[Title/Abstract]) OR (Asthma[Title/Abstract])) OR (Asthmas[Title/Abstract])) OR (Asthma, Bronchial[Title/Abstract])) OR (lung allergy[Title/Abstract]))) AND ((doxofylline[Supplementary Concept]) OR ((((doxofylline[Title/Abstract]) OR (doxophylline[Title/Abstract])) OR (TMDO[Title/Abstract])) OR (2-(7'-theophyllinemethyl)1,3-dioxolane[Title/Abstract]))) |
| #8 |  |
| #9 |  |
| #10 |  |
| #11 |  |
| #12 |  |
| #13 |  |

**2.Cochrane**

|  |  |
| --- | --- |
| Search number | Query |
| #1 | MeSH descriptor: [Asthma] explode all trees |
| #2 | (Asthma):ti,ab,kw OR (Asthmas):ti,ab,kw OR (Asthma, Bronchial):ti,ab,kw OR (lung allergy):ti,ab,kw |
| #3 | #1 OR #2 |
| #4 | (doxofylline):ti,ab,kw OR (doxophylline):ti,ab,kw OR (TMDO):ti,ab,kw |
| #5 | #3 and #4 |
| #6 |  |
| #7 |  |
| #8 |  |
| #9 |  |
| #10 |  |
| #11 |  |
| #12 |  |
| #13 |  |

**3.Embase**

|  |  |
| --- | --- |
| Search number | Query |
| #1 | 'doxofylline'/exp |
| #2 | 'doxofylline'/exp OR doxofylline OR doxophylline:ab,ti OR tmdo:ab,ti OR (2-:ab,ti AND '7 theophyllinemethyl':ab,ti AND '1,3 dioxolane':ab,ti) |
| #3 | #1 OR #3 |
| #4 | 'asthma'/exp |
| #5 | 'bronchial asthma'/exp OR 'bronchial asthma' OR (bronchial AND ('asthma'/exp OR asthma)) OR asthma:ab,ti OR asthmas:ab,ti OR 'asthma, bronchial':ab,ti OR 'lung allergy':ab,ti |
| #6 | #5 OR #6 |
| #7 | #4 AND #7 |
| #8 |  |
| #9 |  |
| #10 |  |
| #11 |  |
| #12 |  |
| #13 |  |

**4.Web of science**

|  |  |
| --- | --- |
| Search number | Query |
| #1 | doxofylline (主题) OR doxofylline (主题) OR TMDO (主题) OR 2-(7'-theophyllinemethyl)1,3-dioxolane (主题) |
| #2 | bronchial asthma (主题) OR Asthma (主题) OR Asthmas (主题) OR Asthma, Bronchial (主题) OR lung allergy (主题) |
| #3 | #4 AND #3 |
| #4 |  |