**Suppl 1.** Search Strategy Used for Study Screening

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| **Database** | **Search strategy** | **Accessed on (date)** |
| In Clinicaltrials.gov database | **Condition:** “Myelofibrosis” OR “Polycythemia Vera” OR “Thrombocytemia”. **Intervention:** “CYT387” OR “Momelotinib” OR “n cyanomethyl 4 2 4 4 morpholinyl phenyl amino 4 pyrimidinyl benzamide”. **Status:** “Active not Recruiting”; “Completed”; “Terminated”. | July/2023 |
| In  Cochrane Central Register of Controlled Trials (CENTRAL) database | ID Search Hits  **#1** ([mh "primary myelofibrosis"] OR ((primaries OR primary) AND ([mh "primary myelofibrosis"] OR (primary AND myelofibrosis) OR "primary myelofibrosis" OR myelofibrosis)) OR "primary myelofibrosis" OR (thrombocytopaenia OR [mh thrombocytopenia] OR thrombocytopenia OR thrombocytopenias OR [mh thrombocytopenia] OR (thrombocytopaenia OR [mh thrombocytopenia] OR thrombocytopenia OR thrombocytopenias) OR (thrombocytopaenia OR [mh thrombocytopenia] OR thrombocytopenia OR thrombocytopenias)) OR ("polycythaemia vera" OR [mh "polycythemia vera"] OR ((polycythaemia OR [mh polycythemia] OR polycythemia OR polycythaemias OR polycythemias) AND vera) OR "polycythemia vera") OR [mh "primary myelofibrosis"] OR [mh thrombocytopenia] OR [mh "polycythemia vera"]) 12478  **#2** ("n cyanomethyl 4 2 4 4 morpholinyl phenyl amino 4 pyrimidinyl benzamide":kw OR "n cyanomethyl 4 2 4 4 morpholinyl phenyl amino 4 pyrimidinyl benzamide" OR ("n cyanomethyl 4 2 4 4 morpholinyl phenyl amino 4 pyrimidinyl benzamide":kw OR "n cyanomethyl 4 2 4 4 morpholinyl phenyl amino 4 pyrimidinyl benzamide" OR momelotinib)) 73  **#3** #1 AND #2 48 | July/2023 |
| In PubMed database | ("primary myelofibrosis"[Mesh] OR (primary[all] AND myelofibrosis[all]) OR "primary myelofibrosis"[all] OR (thrombocytopaenia[all] OR thrombocytopenia[Mesh] OR thrombocytopenia[all] OR thrombocytopenias[all]) OR ("polycythaemia vera"[all] OR "polycythemia vera"[Mesh] OR (polycythemia[all] AND vera[all]) OR "polycythemia vera"[all]) OR "primary myelofibrosis"[Mesh] OR thrombocytopenia[Mesh] OR "polycythemia vera"[Mesh]) AND ("n cyanomethyl 4 2 4 4 morpholinyl phenyl amino 4 pyrimidinyl benzamide"[nm] OR "n cyanomethyl 4 2 4 4 morpholinyl phenyl amino 4 pyrimidinyl benzamide"[all] OR momelotinib[all]) | July/2023 |
| In Scopus  database | ("primary myelofibrosis" OR ((primaries OR primary) AND ("primary myelofibrosis" OR (primary AND myelofibrosis) OR "primary myelofibrosis" OR myelofibrosis)) OR "primary myelofibrosis" OR (thrombocytopaenia OR thrombocytopenia OR thrombocytopenia OR thrombocytopenias OR thrombocytopenia OR (thrombocytopaenia OR thrombocytopenia OR thrombocytopenia OR thrombocytopenias) OR (thrombocytopaenia OR thrombocytopenia OR thrombocytopenia OR thrombocytopenias)) OR ("polycythaemia vera" OR "polycythemia vera" OR ((polycythaemia OR polycythemia OR polycythemia OR polycythaemias OR polycythemias) AND vera) OR "polycythemia vera") OR "primary myelofibrosis" OR thrombocytopenia OR "polycythemia vera") AND ("n cyanomethyl 4 2 4 4 morpholinyl phenyl amino 4 pyrimidinyl benzamide" OR "n cyanomethyl 4 2 4 4 morpholinyl phenyl amino 4 pyrimidinyl benzamide" OR ("n cyanomethyl 4 2 4 4 morpholinyl phenyl amino 4 pyrimidinyl benzamide" OR "n cyanomethyl 4 2 4 4 morpholinyl phenyl amino 4 pyrimidinyl benzamide" OR momelotinib)) | July/2023 |