

(A) PubMed search strategy

#1 Trametinib
#2 Neurofibromatosis type 1 [Title/Abstract]
#3 NF1 [Title/Abstract]
#4 #2 OR #3
#5 plexiform neurofibroma [Title/Abstract]
#6 pNF [Title/Abstract]
#7 #5 OR #6
#8 low-grade glioma [Title/Abstract]
#9 LGG [Title/Abstract]
#10 #8 OR #9
#11 #7 OR #10
#12 #1 AND #4 AND #11

(B) Web of Science search strategy

#1 (TS=(NF1)) OR TS=(neurofibromatosis type 1)
#2 (TS=(pNF)) OR TS=(plexiform neurofibroma)
#3 (TS=(LGG)) OR TS=(low-grade glioma)
#4 TS=(Trametinib) AND #1 AND (#2 OR #3)

(C) Embase search strategy

#1 exp Trametinib/
#2 exp Neurofibromatosis type 1/
#3 exp NF1/
#4 #2 OR #3
#5 exp plexiform neurofibroma/
#6 exp pNF/
#7 #5 OR #6
#8 exp low-grade glioma/
#9 exp LGG/
#10 #8 OR #9
#11 #7 OR #10
#12 #1 AND #4 AND #11

Figure S1. Searching Strategy. **(A)** PubMed search strategy; **(B)** Web of Science search strategy; **(C)** Embase search strategy.