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Article Title: Molecular Sonification for Molecule to Music Information Transfer

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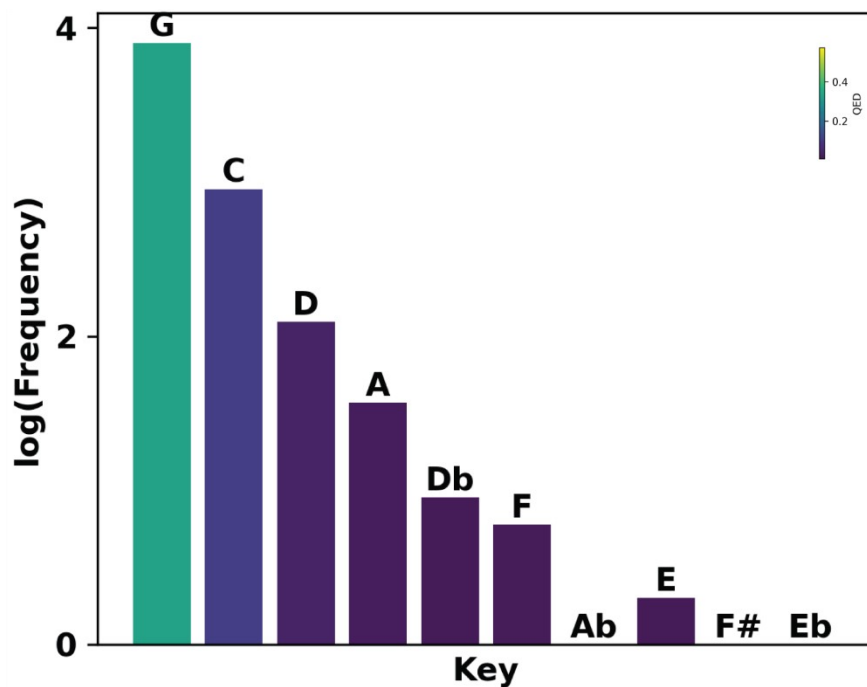**Journal:** Submitted to Digital Discovery

Figure S1 – frequency of occurrence of the key of drugs converted to music in DrugBank, colored by average QED.

SELFIES Token	MIDI Shift (Major Scale)	MIDI Value in key of G	MIDI Value in key of C
[C]	+0	55	48
[=C]	+2	57	50
[Branch1_1]	+4	59	52
[Ring1]	+5	60	53
[O]	+7	62	55
[Branch1_2]	+9	64	57
[N]	+11	66	59
[=O]	+12	67	60

Figure S2 – The MIDI shifts correspond to SELFIES tokens as ranked by their popularity in DrugBank. As such, lower MIDI shifts away from the encoded key of the molecule indicate the more popular the SELFIES token.
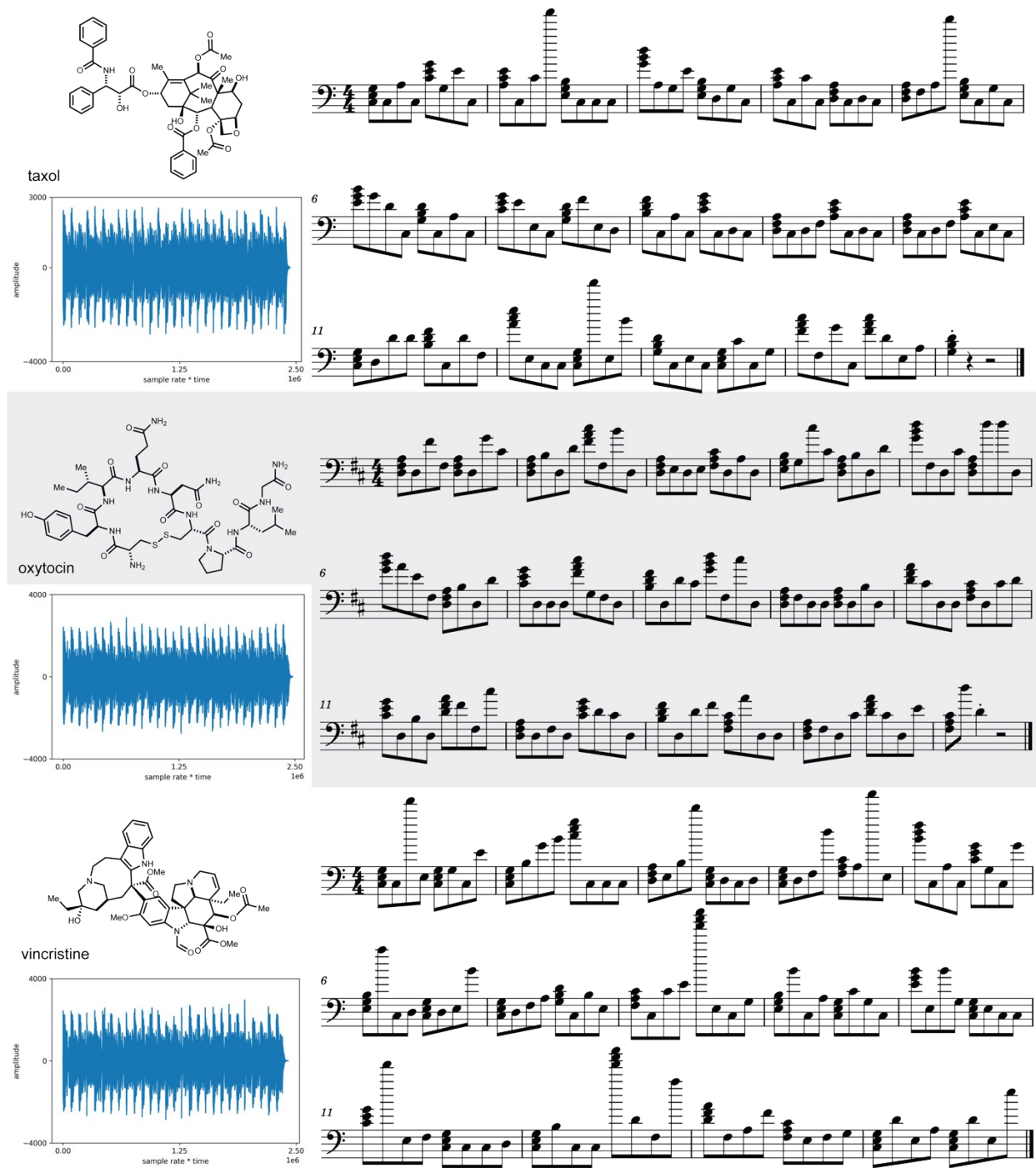
Figure S3 – SAMPLES examples of large molecules taxol, oxytocin, and vincristine.
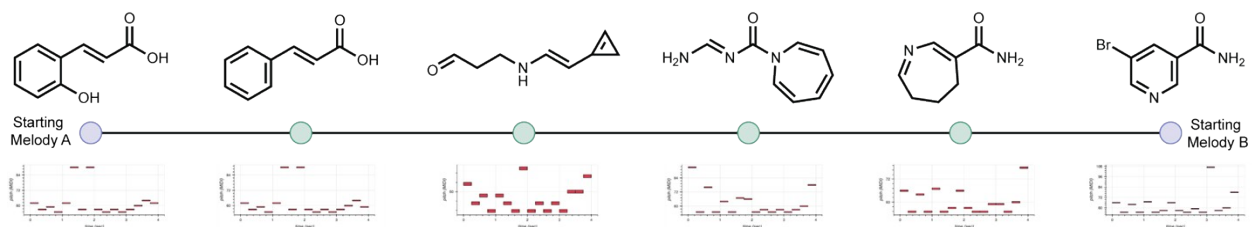
Figure S4 – Four point CROSSFADE interpolation between two drug molecules.