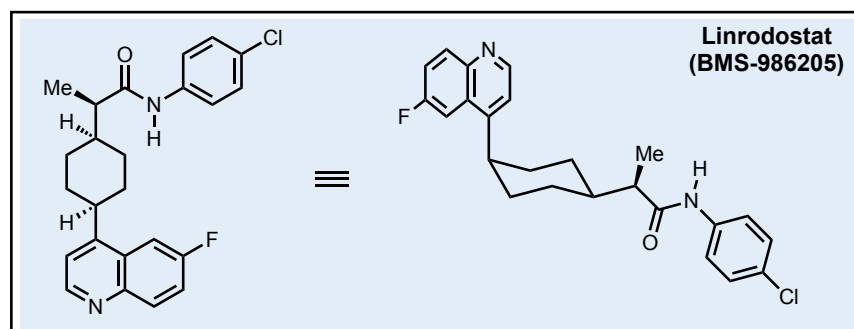


POTW: Linrodostat



Target:

- Indoleamine 2,3-dioxygenase inhibitor
- Factor influencing tumor growth

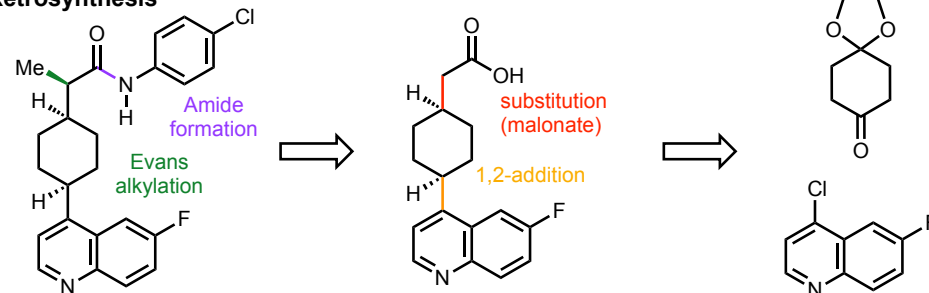
Structure:

- Cyclohexane with cis-1,4 disubstitution
- Halogenated quinoline and arylamide motifs
- α -Me stereocenter

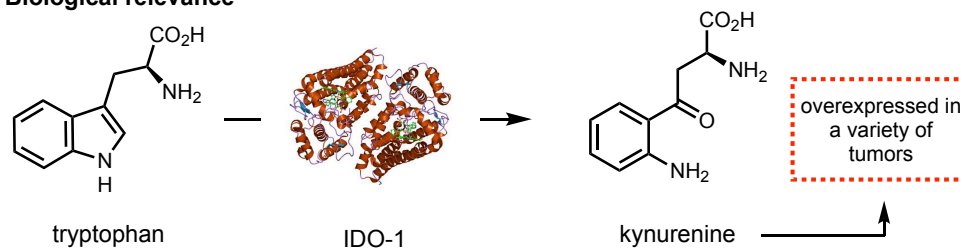


Synthesis: 12 step, 7 isolations; 31% overall yield, >100kg scale, 940 PMI

Retrosynthesis

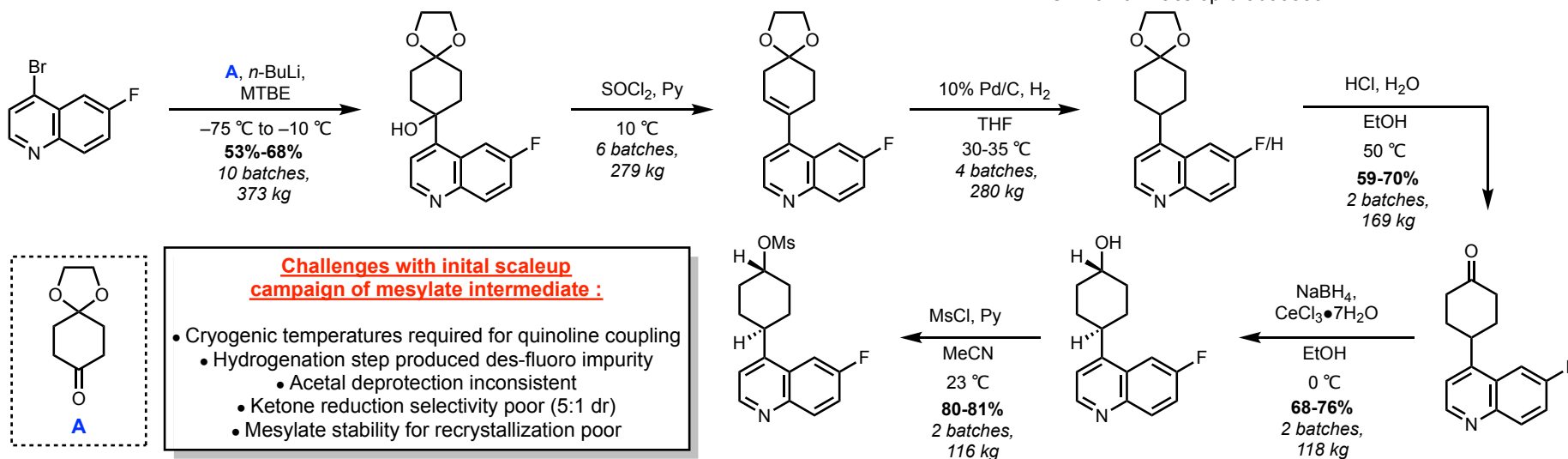


Biological relevance



1st generation route to mesylate

Fraunhofer, K. J. *et al. Org. Process Res. Dev.* **2019**, ASAP.
DOI: 10.1021/acs.oprd.9b00359.



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Commercial process to BMS-986205

