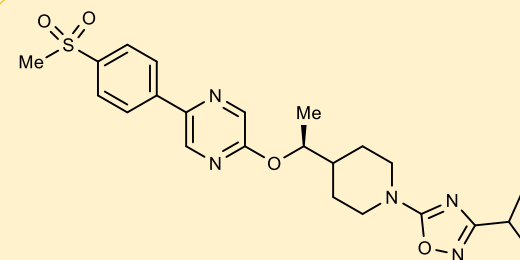
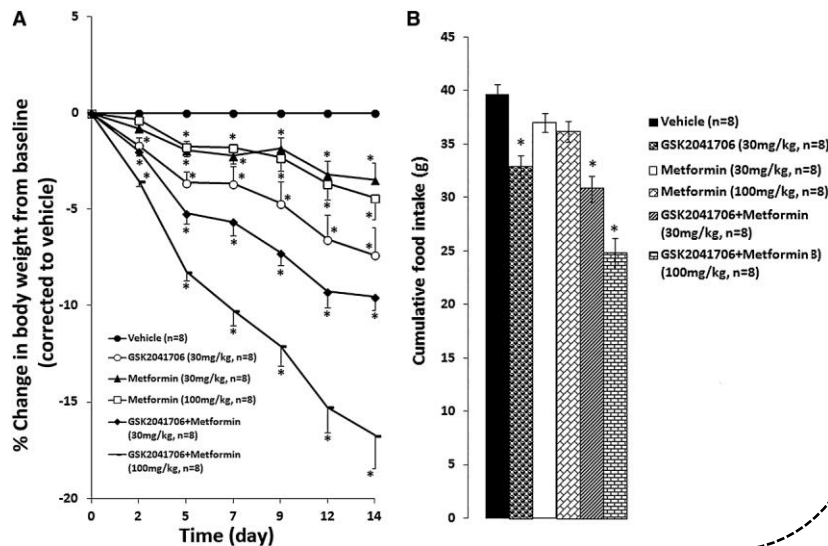
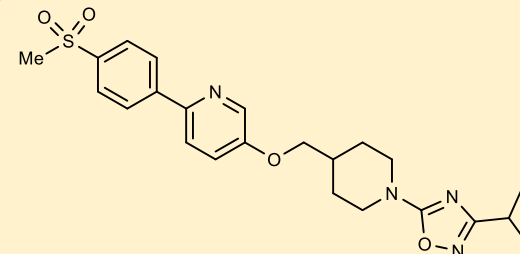


Background

- G protein-coupled receptor 119 (GPR119) agonist
- GPR119 hypothesized to regulate blood glucose level by stimulating pancreatic β -cells function
- Potential treatment for type 2 diabetes
- Shown to promote weight loss in mice study as shown below



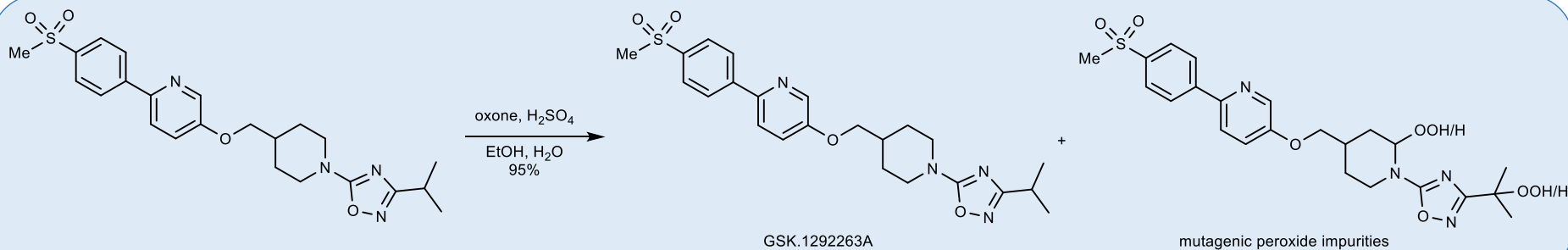
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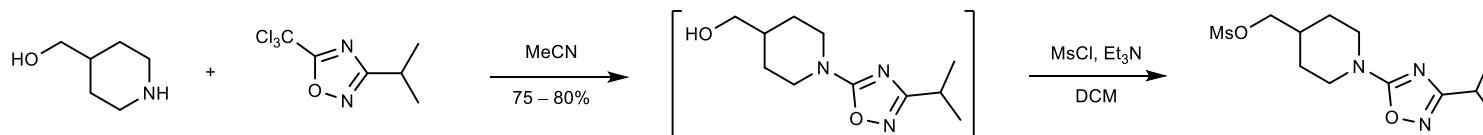
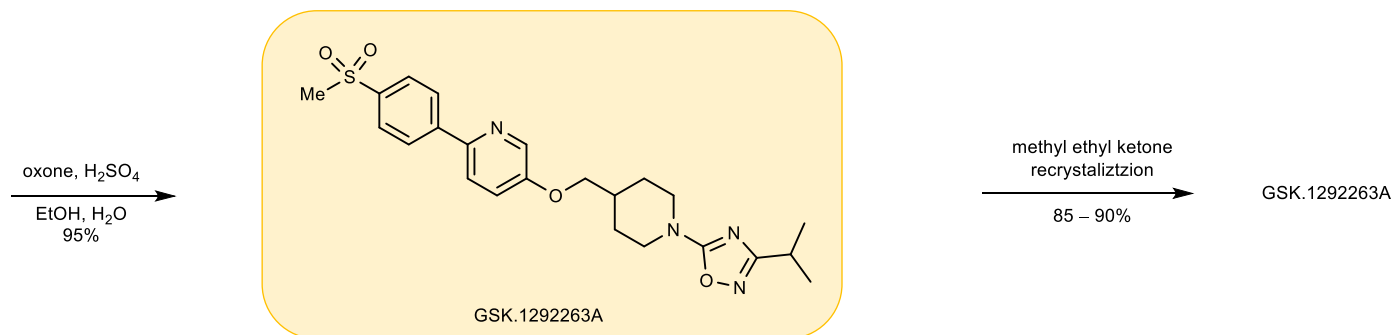
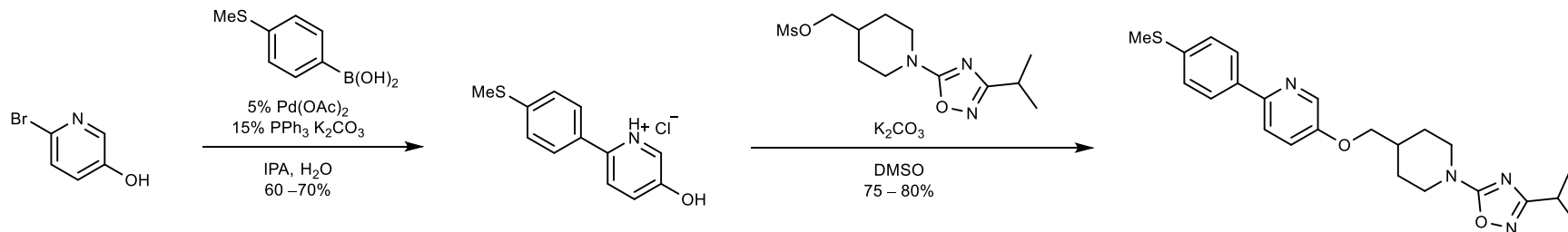
Chen, L *Journal of Pharmacology and Experimental Therapeutics*, 2015, 353, 496. <https://doi.org/10.1124/jpet.115.222828>

Challenge



Zhou, X.M. *Org. Process Res. Dev.* 2016, 20, 8, 1469. <https://doi.org/10.1021/acs.oprd.6b00157>

Early Medicinal Route



Optimized Routes

