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Sugar to Jet Fuels (S2J) is a promising new route that uses biomass-derived furfural as feedstock for SAF production. However, acetol is used in an aldol condensation step and is made from fossil resources \([2]\). 

Acetol, generated as a by-product in the biodiesel manufactured by transesterification of vegetable oils and animal fats, is proposed as feedstock for acetol production by dehydration \([Eq. 1]\).

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