## Strem Chemicals, Inc

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Catalog # 77-7030 Tris[2-(2,4-difluorophenyl)pyridine]iridium(III), 95%

## Technical Notes:

- 1. Photoredox catalysis for trifluoromethylation of arenes and heteroarenes.
- 2. Photocatalyst for C–F alkenylation coupling reactions between perfluoroarenes and alkynes.

$$R + \begin{array}{c|c} & CF_3SO_2CI \\ \hline & Ir(F-ppy)_3 \end{array} \qquad R + \begin{array}{c|c} & CF_3 \\ \hline & Ref. (1) \\ \hline \end{array}$$

$$R + F_n \qquad R' - R'' \qquad \frac{\text{Ir}(F-ppy)_3 (0.25 \text{ mol}\%)}{\text{DIPEA, 0°C, MeCN}} \qquad R + F_{n-1} R'' \qquad \text{Tech. Note (2)}$$

## References:

- 1. Nature, 2011, 480, 224.
- 2. Chem. Sci., 2016, 7, 6796.